APPENDIX A

Remedial Investigation Reports

A-1. 5510 Broadway RIR

A-2. 5530 Broadway RIR

APPENDIX A-1

5510 Broadway RIR

FORMER GETTY SERVICE STATION

5510 BROADWAY

Bronx, New York

Remedial Investigation Report

NYC BCP Site Number: 13CVCP105X

Prepared for:

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November 2012

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AST(s)	Aboveground Storage Tank(s)
BLS	Below Land Surface
BTEX	Benzene, Toluene, Ethylbenzene, Xylenes
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
UST(s)	Underground Storage Tank(s)

CERTIFICATION

I, Craig A. Werle, P.G. 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 Former Getty Service Station Site, (NYC VCP Site No. 13CVCP105X). 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.

Craig A. Werle, P.G.	November 5, 2012 Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 5510 Broadway in the Kingsbridge section of the Bronx, New York and is identified as Block 3266 and Lot 21 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 750 square feet and is bounded by a vacant lot to the north, West 230th Street to the south, a parking lot to the east, and Broadway to the west. A map of the site boundary is shown in Figure 2. The Site is a former Getty service station. Currently, the Site is not in use and contains a single, one-story building consisting of a former office and vehicle repair shop, and one overhead canopy. A shed behind the building houses an inactive former remediation system. The remaining portion of the lot is approximately 80% paved or covered with concrete. The exception is the northwest corner of the lot, where the three underground storage tanks were previously removed which is unpaved and covered with gravel. All gasoline dispensers have been removed from the Site. Some overgrown vegetation is present along the northern fenceline.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site has not been definitively determined, however, it will consist of a single, slab-on-grade, commercial/retail building. Based on a slab-on-grade development plan, excavation will be limited to the upper four feet for installation of utilities. The current zoning designation is commercial C4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use will be consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

The Site was historically in use as a gasoline service station since at least 1950 with the existing building and canopy shown on the 1950 Sanborn Map in the same configuration as the present day. The prior available Sanborn Maps are from 1914 and 1900, and the property is shown to be vacant on both of these maps.

The Site has been inactive since at least 2009 when underground storage tank (UST) removals were performed at the Site as described in Section 2.2.

The AOCs identified for this site include:

1. The historic 550-gallon tank field in the southeastern portion of the Site
2. The historic 4,000-gallon UST area in the northwestern portion of the Site
3. Former gasoline dispensers on the west and south sides of the Site
4. A 550-gallon tank discovered during tank removal activities in 2009, which was left in place on the western side of the Site

Summary of the Work Performed under the Remedial Investigation

Equity One performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.)
2. Installed eight soil borings across the entire project Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality
3. Collected eight groundwater samples from existing Site monitoring wells for chemical analysis to evaluate groundwater quality
4. Installed four soil vapor probes around Site perimeter and AOCs, and collected four samples for chemical analysis

Summary of Environmental Findings

1. Elevation of the property ranges from 18 to 19 feet above sea level.
2. Depth to groundwater ranges from 11 to13 feet below land surface (bls) at the Site.
3. Groundwater flow is generally from northwest to southeast beneath the Site.
4. Depth to bedrock is unknown as bedrock was not encountered during this RI or any of the previous investigations. Bedrock is at least 15 feet or greater below the surface.
5. The stratigraphy of the site, from the surface down to the maximum soil boring depth of 15 feet bls, consists of fill material underlain by fine sand with some silt and gravel. Fill material was used as backfill after the removal of several underground storage tanks from both the northwestern and southeastern corners of the Site.
6. Soil/fill samples collected during the RI showed benzene, toluene, ethylbenzene and xylenes (BTEX) are the primary contaminants of concern in soil. VOC concentrations in

soil samples ranged from non-detect to a maximum concentration of 285,550 ppb (at the 12-15 foot bls). All soil VOC sample results, however, were below Track 2 Restricted Commercial Soil Cleanup Objectives (SCOs). Chlorinated VOCs were detected in all of the soil samples; however, all detections were estimated values well below the Track 1 Unrestricted Use SCOs. SVOC were detected in all 8 borings but were below Track 1 SCOs. Maximum total SVOC concentration was 7613 ppb. Three metals (copper (max. of 126 ppm), lead (max. 120 ppm) and zinc (max. 230 ppm)) exceed the Track 1 Unrestricted Use SCOs, and none of these exceed the Track 2 Restricted Commercial SCOs. One pesticide was detected in one soil sample slightly exceeding the Track 1 Unrestricted Use SCO. No PCBs were detected in any of the soil samples. These results are consistent with the known tank removal activities that have historically taken place at the Site.

7. Groundwater samples collected during the RI showed no pesticides or PCBs in any groundwater samples. Groundwater results showed detections of VOCs in all eight wells, with total VOC concentrations ranging from 0.57 ppb to 4,761 ppb. VOCs identified in groundwater were primarily petroleum hydrocarbons. Although chlorinated hydrocarbons were detected in three wells, all detections were below the Part 703.5 Class GA groundwater quality standards (GQS), and all were found at estimated concentrations below 1 ppb. SVOCs were detected in two wells (naphthalene and phenol) above GQS. Metals excedences included manganese. These groundwater results do not indicate any on-Site source of chlorinated VOCs.

8. Soil vapor samples collected during the RI showed a variety of VOCs, including petroleum hydrocarbons and chlorinated VOCs. Petroleum hydrocarbons including trimethylbenzene, benzene, ethylbenzene, toluene, xylenes and others were detected at generally low to moderate concentrations with a maximum concentration of 40,000 $\mu g/m^3$ of isooctane in one vapor location (SV-2). PCE was detected in three of the four samples, and ranged in concentration from 75 $\mu g/m^3$ to 1,400 $\mu g/m^3$. TCE was only detected in one sample (SV-2) at a concentration of 1,100 $\mu g/m^3$. TCA was detected in one of four samples at 10 ug/m^3. Carbon tetrachloride was not detected. The chlorinated VOCs source is not known. Soil and groundwater sample results did not indicate a chlorinated onsite source.

1.0 SITE BACKGROUND

1.1 Site Location and Current Usage

The Site is located at 5510 Broadway in the Kingsbridge section of the Bronx, New York and is identified as Block 3266 and Lot 21 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 750 square feet and is bounded by a vacant lot to the north, West 230th Street to the south, a parking lot to the east, and Broadway to the west. A map of the site boundary is shown in Figure 2. The Site is a former Getty service station. Currently, the Site is not in use and contains a single, one-story building consisting of a former office and vehicle repair shop, and one overhead canopy. A shed behind the building houses an inactive former remediation system. The remaining portion of the lot is approximately 80% paved or covered with concrete. , The exception is the northwest corner of the lot, where the three underground storage tanks were previously removed, which is unpaved and covered with gravel. All gasoline dispensers have been removed from the Site. Some overgrown vegetation is present along the northern fenceline.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a single, slab-on-grade, commercial/retail building. Excavation will be limited to the upper four feet for installation of utilities. The current zoning designation is commercial C4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use will be consistent with existing zoning for the property.

1.3 Description of Surrounding Property

To the west the property is bounded by Broadway, and the elevated Number 1 subway line. Further west, across Broadway, are residential properties including several apartment complexes, and Public School 207. To the east the property is bounded by a commercial parking lot operated by the City of New York. Further east is a railroad easement and the Major Deegan Expressway. To the north the property is bounded by a vacant lot. Further north is a demapped street (Kimberly Place) and retail/commercial spaces. To the south the property is bounded by West 230th Street. Across West 230th Street are commercial and light industrial buildings and the continuation of the railroad easement. Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site was historically in use as a gasoline service station since at least 1950 with the existing building and canopy shown on the 1950 Sanborn Map in the same configuration as the present day. The prior available Sanborn Maps are from 1914 and 1900, and the property is shown to be vacant on both of these maps.

The Site has been inactive since at least 2009 when underground storage tank (UST) removals were performed at the Site as described in Section 2.2.

2.2 Previous Investigations

An investigation performed on the adjacent lot in 1993 indicated the presence of VOCs, specifically benzene, ethylbenzene, toluene and xylenes (BTEX) in soil and groundwater. In response to these results, the 550-gallon underground storage tanks were tightness tested in December 1993. NYSDEC Spill Number 93-11138 was opened following the tank test failure at the Site. At the request of NYSDEC, Tyree submitted a Site Investigation Report in November 1994 documenting the installation and sampling of 6 soil borings and three monitoring wells. In June 1995, a soil vapor extraction (SVE) pilot test was conducted by Tyree followed by submission of a Remedial Action Plan in October 1995. NYSDEC's questions concerning the SVE radius of influence led to a dual phase extraction (DPE) pilot test in July 1997. On August 28, 1998, a dual phase high vacuum extraction system began operation. During the late 1990s, prior to the DPE system installation, ten 550-gallon USTs were removed from the southeastern portion of the Site. The DPE system was intended to target contamination related to the 550-gallon tank field, which was identified as the original source of the petroleum release. The DPE system operated at the Site until 2003, when it was reportedly shut down due to electrical issues.

In 2009, the station was closed and three 4,000-gallon USTs were removed from the northwestern side of the Site, along with five dispensers and the associated product piping. A UST Closure Report was submitted by Tyree in October 2009. As part of the tank removals, a single, previously unidentified 550-gallon UST was discovered adjacent to the 4,000-gallon tanks. The 550-gallon UST remains in place on the western side of the Site. Hydrocarbon stained soil was observed during tank removal activities and a new spill number (09-04799) was opened. Post

excavation soil samples collected during the 4,000-gallon tank removals indicated elevated levels of BTEX compounds still remain. Tyree conducted a supplemental investigation that was documented in an April 29, 2010 Subsurface Investigation Report. Nine soil borings were installed and sampled. The results showed minimal VOC impacts around the original 550-gallon tanks on the southeastern side of the site. Groundwater on the southeastern side of the site contained minimal VOC concentrations. Groundwater in the vicinity of the 4,000 gallon tanks was found to contain elevated VOC concentrations related to prior releases. Based on these results, Tyree made a request to NYSDEC in 2010 to close Spill Number 93-11138. According to the NYSDEC Spill Incidents Database, both spill numbers assigned to the Site remain open.

2.3 Site Inspection

A Site inspection performed on July 17, 2012 by Craig A. Werle, Principal Hydrogeologist, and Joseph Gavin, Project Hydrogeologist, of Roux Associates, Inc., confirmed the current condition of the Site as a former gasoline service station, with the only improvements being a single, unoccupied, one-story building consisting of a former office and vehicle repair shop, and an overhead canopy attached to the former office. The entire Site is completely enclosed with a chain link fence. West 230th Street serves as the sole means of access.

2.4 Areas of Concern

The AOCs identified for this site include:

1. The historic 550-gallon tank field in the southeastern portion of the Site
2. The historic 4,000-gallon UST area in the northwestern portion of the Site
3. Former gasoline dispensers on the west and south sides of the Site
4. A 550-gallon tank discovered during tank removal activities in 2009, which was left in place on the western side of the Site

Previous investigation reports are presented in Appendix A. A map showing areas of concern is presented in Figure 2.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Craig A. Werle, of Roux Associates, Inc. (Roux Associates), 209 Shafter Street, Islandia, New York. The field managers responsible for the field oversight of the RI are Wendy Monterosso and Joseph P. Gavin of Roux Associates.

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. A site specific Health and Safety Plan (HASP) is included in Appendix B and describes appropriate health and safety precautions for all Site activities, as well as directions to the nearest hospital.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. One 55-gallon drum of purge water from groundwater sampling and waste water from decontamination procedures was generated during the RI. One 55-gallon drum of soil cuttings was generated from the soil borings due to the volume of soil required for the laboratory analysis. The drums are labeled and staged onsite awaiting removal at a later date and will be disposed of in accordance with all applicable federal, state and local laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Equity One performed the following scope of work:

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

2. Installed eight soil borings across the entire project Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. Collected eight groundwater samples from existing Site monitoring wells for chemical analysis to evaluate groundwater quality;

4. Installed four soil vapor probes around Site perimeter and AOCs, and collected four samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey was conducted at the Site on July 16, 2012 to mark out detectable utilities. Field markings were painted on the ground at the Site and the proposed boring locations were cleared of utility interference in preparation for drilling the following day. No report was generated as part of this task.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On July 17 and 18, 2012 a subsurface remedial investigation was performed at the Site. A total of eight soil borings were installed during the investigation. All soil borings were advanced using a Geoprobe® track-mounted direct-push drill rig owned and operated by Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York. Samples of the soil profile were collected in continuous five-foot increments using a 2-inch-diameter macrocore sampler to a maximum depth of 15 feet bls. Each soil core was field-screened with a photo-ionization detector (PID) and the lithology recorded.

The details for each location are summarized in the following table:

Location ID	Depth (feet)	Diameter (inches)	GPS coordinates (degrees) Latitude – Longitude
SB-1	15	2	40.877302 – 73.905661

Location ID	Depth (feet)	Diameter (inches)	GPS coordinates (degrees) Latitude – Longitude
SB-2	15	2	40.877262 – 73.905709
SB-3	15	2	40.877251 – 73.905754
SB-4	15	2	40.877226 – 73.905699
SB-5	15	2	40.877247 – 73.905659
SB-6	15	2	40.877131 – 73.905504
SB-7	15	2	40.877134 – 73.905561
SB-8	15	2	40.877131 – 73.905677

Boring logs were prepared by a hydrogeologist are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 2, and Figure 7 presents the respective summarized soil sample results. Concentrations that exceed NYSDEC Part 375 Track 1 Unrestricted Use SCOs are shown in black, and exceedances of the Track 4 Commercial SCOs are shown in red.

Groundwater Monitoring Well Construction

There is a network of existing groundwater monitoring wells at the Site installed previously by others. Additional monitoring wells were not installed as part of this RI. Monitoring well locations are shown in Figure 4.

Survey

Previously installed and surveyed groundwater monitoring wells were used to characterize groundwater quality and determine groundwater flow direction. A survey was therefore not conducted. Given the limited size of the site, the location of soil boring and soil vapor sample locations were estimated.

Water Level Measurement

Prior to sampling, depth to water was measured in monitoring wells using an electronic water level indicator with an accuracy of +/-0.01 feet. Water level data is included in Table 1 and groundwater elevation contours are shown on Figure 4.

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.

Soil Sampling

Eight soil borings were advanced and a total of 16 soil samples were collected for chemical analysis during this RI. One duplicate soil sample, one matrix spike sample and one matrix spike duplicate sample were also collected. The macrocore sampler was decontaminated using non-phosphate soap and a fresh water rinse between each sample. A new dedicated acetate liner was used for the collection of each soil core. Following field screening as described in Section 4.2, all soil samples were placed in the laboratory-supplied containers, cooled to 4° Celsius, and transported to the laboratory under chain of custody procedures.

Soil samples were analyzed by Accutest Laboratories, Inc. (Accutest), an Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP Lab ID # 10983), for Target Compound List (TCL) plus 30/ Target Analyte List (TCL + 30/TAL) (which includes TCL Volatile Organic Compounds [VOCs] + 10, TCL Base neutral acids [BNA], [SVOCs] + 20, TCL Pesticides, TCL polychlorinated biphenyls [PCBs], TAL Metals [including hexavalent chromium], and Total Cyanide), and Herbicides. Analytical data was provided in NYSDEC ASP Category B

deliverable packages with case narratives describing how closely the data met the quality objectives as described by the NYSDEC ASP.

Analytical results for soil samples were compared to NYSDEC Track 1 Unrestricted Use SCOs and Track 2 Restricted Commercial SCOs presented in 6 NYCRR Subpart 375-6. These SCOs were selected based on the future use of the Site, as well as the anticipated BCP cleanup track for the Site.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, are reported in Tables 3 through 8. Figure 5 shows the location of samples collected in this investigation, along with their respective summarized sample results. Laboratories and analytical methods are shown below.

Groundwater Sampling

Eight groundwater samples were collected for chemical analysis during this RI. One field duplicate, one matrix spike sample, one matrix spike duplicate, and one field blank were collected for each analyte in the sample suite. Field parameters, including temperature, pH, conductivity, turbidity, and dissolved oxygen concentration, were also collected with a Horiba U-52 water quality meter during well sampling. At each sampling location, groundwater samples were collected using low-flow (minimal drawdown) procedures. Prior to sample collection, each point was purged at low-flow evacuation rates of 0.1 to 0.5 liters per minute (L/min) using a peristaltic pump and new dedicated polyethylene tubing. The water quality meter was decontaminated with non-phosphate soap and a fresh water rinse after sampling at each well location. Groundwater samples were collected at the same flow rate as purging, using the same device as was used for purging. All groundwater samples were placed in the laboratory-supplied containers, cooled to 4° Celsius, and transported to the laboratory under chain of custody procedures.

Groundwater sample collection data are reported in Tables 9 through 14. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix D. Figure 6 shows the groundwater sampling locations along with the summarized sample results. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Four soil vapor probes were installed and four soil vapor samples were collected for chemical analysis during this RI. Temporary soil vapor points were installed using a Geoprobe® rig to the target depth of five feet. A Geoprobe® rod equipped with a Geoprobe® soil vapor sampling connector and a disposable drive point was advanced 4.5 to 5 feet into the ground. At each location, a temporary soil vapor sampling port consisting of a six-inch long stainless steel screen was advanced to the bottom of the Geoprobe® rod with a Teflon-lined sampling tube running to the surface. The annular space around the screen was filled with sand and a surface seal consisting of bentonite clay was installed to prevent ambient air intrusion. The end of the sampling tube was fitted with Master-Flex flexible tubing and tied off to prevent ambient air and/or water from entering the tubing prior to sample collection.

Prior to sample collection, the Teflon™-lined tubing was purged of approximately two volumes of the tubing using a vacuum pump set at a rate of 0.2 liters per minute. A tracer gas (i.e., laboratory grade helium) was used to enrich the atmosphere in the immediate vicinity of the sampling location in order to test the borehole seal and verify that ambient air was not being drawn into the sample. Following purging and verification with the tracer gas, the sample tubing was connected to a pre-evacuated, laboratory supplied, six-liter SUMMA canister with a laboratory calibrated regulator set to collect a sample over a one-hour interval. Soil vapor samples were submitted for laboratory analysis under chain of custody procedures for analysis using USEPA Method TO-15 for VOCs.

Soil vapor sampling locations are shown in Figure 7. Soil vapor sample collection data are reported in Table 15. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Wendy Monterosso.

Factor	Description
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and was Accutest Laboratories, Inc. (ELAP Lab ID # 10983).
Chemical Analytical Methods	Soil analytical methods: • 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) • Herbicides by EPA Method 8151 (rev. 1996) • PCBs by EPA Method 8082A (rev. 2000)
	Groundwater analytical methods: • 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) • Herbicides by EPA Method 8151 (rev. 1996) • PCBs by EPA Method 8082A (rev. 2000)
	Soil vapor analytical methods: • VOCs by TO-15 VOC parameters

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 3 through 15, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the site, from the surface down to the maximum soil boring depth of 15 feet bls, consists of fill material underlain by fine sand, with some silt and gravel. The Site has fill material historically placed for grading purposes, in the northwestern corner of the Site where three 4,000-gallon USTs were removed in 2009, and in the southeastern portion of the Site where the ten historical 550-gallon tanks were removed in the late 1990s. Bedrock was not encountered during the RI.

Hydrogeology

A table of water level data for all monitor wells is included in Table 2. The average depth to groundwater is 12 feet bls and ranges in depth from 11 feet to 13 feet bls. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 4. Groundwater flow direction is from northwest to southeast.

5.2 Soil Chemistry

A total of sixteen soil samples were collected during the RI. Laboratory results show exceedances of several VOCs including trimethylbenzene, benzene, ethylbenzene, n-propylbenzene, methylene chloride, toluene and xylenes in all soil samples. The detections are primarily petroleum hydrocarbons associated with gasoline releases at the site. PCE and TCE were detected at trace levels. Several VOCs exceeded the Track 1 Unrestricted Use SCOs, but no concentrations exceeded the Track 2 Restricted Commercial SCOs. The total VOC concentration detected ranged from non-detect to 285,550 ppb (in SB-2 in the 12-15 foot bls interval).

All eight soil borings contained detections of SVOCs, however; all SVOC detections were below the both the Track 1 Unrestricted Use SCOs and the Track 2 Restricted Commercial SCOs. The maximum total SVOC concentration detected was 7,613 ppb in SB-5.

Four soil borings contained metals in exceedance of the Track 1 Unrestricted Use SCOs. Lead was detected in all soil samples and ranged in concentration from 14 ppm (SB-6) to 120 ppm (SB-7). Lead exceeded the Track 1 Unrestricted Use SCO of 63 ppm in three soil borings: SB-1

(103 ppm) in the 14-15 foot bls interval, SB-5 (71.2 ppm) in the 10-15 foot bls interval, and SB-7 (120 ppm) in the 13-15 foot bls interval. Copper was detected in all soil samples and ranged from 11.9 ppm (SB-2 and SB-6) to 126 ppm (SB-7). Copper exceeded the Track 1 Unrestricted Use SCO of 50 ppm in two soil borings: SB-1 (65.7 ppm) in the 14-15 foot bls interval, and SB-7 (126 ppm) in the 13-15 foot bls interval. Zinc was detected in all soil samples and ranged in concentration from 30.4 ppm (SB-2) to 230 ppm (SB-5). Zinc exceeded the Track 1 Unrestricted Use SCO of 109 ppm in three soil borings: SB-1 (199 ppm) in the 14-15 foot bls interval, SB-5 (230 ppm) in the 10-15 foot interval, and SB-6 (113 ppm) in the 8-10 foot interval. No metal concentrations exceeded the Track 2 Restricted Commercial SCOs.

PCBs were not detected in any of the soil samples collected during the RI. One pesticide (4,4'-DDE) was detected in one soil boring (SB-5) at an estimated concentration of 3.8 ppb, which exceeds the Track 1 Unrestricted Use SCO of 3.3 ppb, but is well below the Track 2 Restricted Commercial SCO of 92,000 ppb for this compound. Herbicides were not detected in any of the soil borings.

The detections described above are evenly distributed across the Site. There were no exceedances of Track 2 Restricted Commercial SCOs detected in any soil samples collected during the RI. There were exceedances of Track 1 Unrestricted Use SCOs in all eight soil borings; however, all of these exceedances were confined to the deeper interval at each location (i.e., 10 feet or greater below land surface), with the exception of the lab artifact, acetone, in SB-3 (63 ppb) in the 1-3 foot interval. These soil sample results are typical of sites with known petroleum spills and are consistent with historical soil sample results collected from the Site. The results are consistent with the known tank removal activities that have historically taken place at the Site.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 3 through 8. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Restricted Commercial SCOs.

5.3 Groundwater Chemistry

A total of eight groundwater samples were collected during the RI from existing monitoring wells. Groundwater sample results showed detections of VOCs (including trimethylbenzene, benzene, ethylbenzene, n-propylbenzene, toluene and xylenes) in all eight wells, with total VOC concentrations ranging from 0.57 ppb in MW-34 to 4,761 ppb in MW-9. Several VOCs, primarily petroleum hydrocarbons, ranging from low to moderate concentrations, with the maximum concentration being 2,500 ppb of benzene in MW-9. Although chlorinated hydrocarbons were detected in three wells, all detections were below the Part 703.5 Class GA groundwater quality standards (GQS), and all were found at estimated concentrations below 1 ppb.

SVOCs were detected in four wells (naphthalene in MW-1, MW-2, MW-7, and MW-9 and phenol in MW-9). Naphthalene concentrations exceeded the GQS of 10 ppb in only two wells: MW-2 (13 ppb) and MW-9 (440 ppb). Phenol was detected at an estimated concentration of 11 ppb in MW-9, which exceeds the AWQSGV of 1 ppb for this compound.

There were several typical detections of metals in groundwater. The only element to exceed its respective GQS was manganese. Concentrations of manganese exceeded the AWQSGV of 300 ppm in all wells sampled and ranged from 481 ppm in MW-2 to 1680 ppm in MW-9. No other individual element or compound exceeded any of the respective GQS.

There were no detections of PCBs, pesticides, or herbicides in any of the groundwater samples.

In general, these groundwater sample results are consistent with historical samples collected at the Site and typical of sites with known petroleum releases.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 9 through 14. Exceedance of applicable groundwater standards are shown. Figure 6 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

All four soil vapor samples contained detections of both petroleum-related VOCs and chlorinated VOCs.

Tetrachloroethene (PCE) was detected in three of the four soil vapor samples in concentrations ranging from 75 µg/m^3 in SV-4 to 1,400 µg/m^3 in SV-3. PCE was not detected in SV-2.

Trichloroethene (TCE) was detected in one soil vapor sample (SV-2) at a concentration of 1,100 µg/m^3. TCE was not detected in SV-1, SV-3, or SV-4.

1,1,1-Trichloroethane (1,1,1-TCA) was detected in one soil vapor sample (SV-3) at a concentration of 10 µg/m^3. 1,1,1-TCA was not detected in SV-1, SV-2 or SV-4.

Carbon tetrachloride was not detected in any of the soil vapor samples collected during the RI.

Because the onsite building will be demolished as part of the redevelopment plans, indoor air sampling was not conducted.

The petroleum soil vapor sample results are consistent with historical samples collected at the Site and consistent with sample results from sites with known petroleum releases. Chlorinated VOCs were only detected in minor estimated concentrations in soil and groundwater samples.

Regulatory guidance on soil vapor and indoor air quality is presented in Matrix 1 and Matrix 2 from the NYSDOH Center for Environmental Health (CEH) Bureau of Environmental Exposure Investigation (BEEI) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Matrix 1 addresses TCE and carbon tetrachloride, and Matrix 2 covers PCE and 1,1,1 trichloroethane (1,1,1-TCA). The matrices establish the conditions that require a response (i.e., monitoring, mitigation, or source identification) based on an evaluation of indoor air concentrations and sub-slab vapor concentrations. The proposed redevelopment plans include a single story slab-on-grade structure, with a paved parking area. Based on the detected soil vapor concentrations, a vapor barrier and subslab depressurization system may be necessary.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 15.

Figure 7 shows the location and posts the values for soil vapor samples with detected concentrations.

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.

TABLES

1. Groundwater Level Data
2. Analytical methods summary for all media
3. Summary of Volatile Organic Compounds in Soil
4. Summary of Semivolatile Organic Compounds in Soil
5. Summary of Metals in Soil
6. Summary of Polychlorinated Biphenyls in Soil
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11. Summary of Metals in Groundwater
12. Summary of Polychlorinated Biphenyls in Groundwater
13. Summary of Pesticides in Groundwater
14. Summary of General Chemistry in Groundwater
15. Summary of Volatile Organic Compounds in Soil Vapor

Table 1. Summary of Water-Level Data, 5510 Broadway, Bronx, New York

Well Designation	Date Measured	Measuring Point Elevation*	Depth to Water (ft)	Corrected Elevation	Comments
MW-1	7/17/2012	99.87	11.49	88.38	
MW-2	7/17/2012	100.22	11.80	88.42	
MW-3	7/17/2012	99.66	11.40	88.26	
MW-5	7/17/2012	102.11	13.88	88.23	
MW-6	7/17/2012	104.57	NM	NA	Well dry
MW-7	7/17/2012	101.99	13.86	88.13	
MW-8	7/17/2012	101.26	13.04	88.22	
MW-9	7/17/2012	100.33	11.89	88.44	
MW-10	7/17/2012	99.53	11.32	88.21	

NA - Not Available
NM - Not Measured

Notes:
1. All depths are presented in feet.
2. Groundwater elevations are presented in feet as referenced to site benchmark.

Table 2. Analytical Methods Summary for All Media, 5510 Broadway, Bronx, New York

Matrix	Number of Samples	Analytical Parameters Measured	Analytical Methods	Number of Duplicate Samples	Number and Type of QA/QC Samples
Soil	16	TCL Volatile Organic Compounds TCL Base neutral acids (BNA)/ Semivolatile Organic Compounds (SVOCs) TCL Pesticides TCL polychlorinated biphenyls (PCBs) TAL Metals (inc. hexavalent chromium) Total Cyanide Herbicides	8260C 8270B 8081B 8082A 6010C 8151	1	1 Duplicate, 1 Matrix Spike, Matrix Spike Duplicate, 1 Field blank, and 1 Trip Blank
Groundwater	8	TCL Volatile Organic Compounds, 5510 Broadway, Bronx, New York TCL BNA, SVOCs TCL Pesticides TCL PCBs TAL Metals (inc. hexavalent chromium) Total Cyanide Herbicides	8260C 8270B 8081B 8082A 6010C 8151	1	1 Duplicate, 1 Matrix Spike, 1 Matrix Spike Duplicate, 1 Field blank, and 1 Trip blank
Soil Vapor	4	TCL Volatile Organic Compounds	TO-15	--	--

Table 3. Summary of Volatile Organic Compounds in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-1	SB-2	SB-2	SB-2 DUP	SB-3	SB-3
			Sample Date:	7/18/2012	7/18/2012	7/17/2012	7/17/2012	7/17/2012	7/18/2012	7/18/2012
			Sample Depth (ft bls):	4-5	14-15	5-5	12-15	12-15	1-3	11-15
1,1,1-Trichloroethane	680	500000		0.13 U	6.4 U	0.13 U	26 U	33 U	0.16 U	6.1 U
1,1-Dichloroethane	270	240000		0.11 U	13 U	0.11 U	54 U	70 U	0.14 U	13 U
1,1-Dichloroethene	330	500000		0.19 U	9 U	0.2 U	36 U	47 U	0.24 U	8.7 U
1,2,4-Trimethylbenzene	3600	190000		5.7	**41000**	5.4	**140000**	**140000**	110	**19000**
1,2-Dichlorobenzene	1100	500000		0.099 U	21 U	0.1 U	84 U	110 U	0.12 U	30 J
1,2-Dichloroethane	20	30000		0.18 U	19 U	0.19 U	78 U	100 U	0.22 U	19 U
1,3,5-Trimethylbenzene	8400	190000		2.2	**13000**	1.2	**45000**	**46000**	40	**14000**
1,3-Dichlorobenzene	2400	280000		0.16 U	14 U	0.17 U	56 U	72 U	0.2 U	13 U
1,4-Dichlorobenzene	1800	130000		0.11 U	24 U	0.11 U	96 U	120 U	0.14 U	23 U
1,4-Dioxane	100	130000		13 U	3700 U	13 U	15000 U	19000 U	16 U	3500 U
2-Butanone (MEK)	120	500000		0.63 U	240 U	0.65 U	960 U	1200 U	11 J	230 U
Acetone	50	500000		8.5 J	270 U	16	1100 U	1400 U	**63 B**	260 U
Benzene	60	44000		0.15 U	**93 J**	0.66 J	**2100**	**2000**	0.23 J	**1400**
Carbon tetrachloride	760	22000		0.15 U	5.8 U	0.16 U	23 U	30 U	0.19 U	5.6 U
Chlorobenzene	1100	500000		0.18 U	11 U	0.19 U	45 U	59 U	0.22 U	11 U
Chloroform	370	350000		0.24 U	8 U	0.25 U	32 U	42 U	0.3 U	7.7 U
cis-1,2-Dichloroethene	250	500000		0.11 U	18 U	0.11 U	73 U	94 U	0.14 U	17 U
Ethylbenzene	1000	390000		1	**8600**	2.1	**49000**	**48000**	2.2	**3000**
Methylene chloride	50	500000		0.92 J B	19 U	3.7 B	75 U	97 U	1.8 B	18 U
MTBE	930	500000		0.11 U	14 U	0.32 J	57 U	73 U	0.14 U	14 U
n-Butylbenzene	12000	500000		0.61 J	7500	0.9 J	58 U	75 U	32	6600
n-Propylbenzene	3900	500000		0.62 J	**8400**	1.1	**17000**	**18000**	9	**7300**
sec-Butylbenzene	11000	500000		0.13 U	3000	0.82 J	2300	2200	0.16 U	2000
tert-Butylbenzene	5900	500000		0.12 U	110	0.12 U	150 J	120 J	0.15 U	250
Tetrachloroethene	1300	150000		0.12 U	22 J	0.28 J	40 U	52 U	0.15 U	9.5 U
Toluene	700	500000		1.1	**3200**	1.6	**30000**	**30000**	1.4	340
trans-1,2-Dichloroethene	190	500000		0.13 U	13 U	0.13 U	53 U	69 U	0.16 U	13 U
Trichloroethene	470	200000		0.12 U	9.4 U	0.12 U	38 U	49 U	0.15 U	9 U
Vinyl chloride	20	13000		0.34 U	15 U	0.35 U	60 U	77 U	0.42 U	14 U
Xylenes (total)	260	500000		8	**35000**	9.5	**260000**	**270000**	18	**5100**
				20.65	84925	34.08	285550	286320	207.63	53920

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

Table 3. Summary of Volatile Organic Compounds in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-7	SB-7
			Sample Date:	7/17/2012	7/17/2012	7/18/2012	7/18/2012	7/17/2012	7/17/2012	7/17/2012	7/17/2012
			Sample Depth (ft bls):	10-10	12-15	2-3	10-15	5-6	8-10	12-12	13-15
1,1,1-Trichloroethane	680	500000		0.14 U	27 U	0.13 U	7.4 U	0.12 U	13 U	0.13 U	7.1 U
1,1-Dichloroethane	270	240000		0.12 U	57 U	0.11 U	15 U	0.099 U	27 U	0.11 U	15 U
1,1-Dichloroethene	330	500000		0.21 U	38 U	0.19 U	10 U	0.17 U	18 U	0.2 U	10 U
1,2,4-Trimethylbenzene	3600	190000		0.16 U	**150000**	2.6	3600	41	**44000**	43	120
1,2-Dichlorobenzene	1100	500000		0.11 U	89 U	0.1 U	24 U	0.09 U	43 U	0.1 U	24 U
1,2-Dichloroethane	20	30000		0.19 U	82 U	0.18 U	22 U	0.16 U	39 U	0.19 U	22 U
1,3,5-Trimethylbenzene	8400	190000		0.13 U	**50000**	1.7	1400	16	**16000**	20	60 J
1,3-Dichlorobenzene	2400	280000		0.17 U	59 U	0.16 U	16 U	0.14 U	28 U	0.16 U	16 U
1,4-Dichlorobenzene	1800	130000		0.12 U	100 U	0.11 U	28 U	0.099 U	48 U	0.11 U	27 U
1,4-Dioxane	100	130000		14 U	16000 U	13 U	4300 U	11 U	7500 U	13 U	4100 U
2-Butanone (MEK)	120	500000		0.68 U	1000 U	0.64 U	270 U	0.57 U	480 U	0.65 U	270 U
Acetone	50	500000		1.8 U	1200 U	10	320 U	20	560 U	7.6 J	310 U
Benzene	60	44000		0.16 U	**2600**	0.15 U	30 J	0.14 U	17 U	2.3	12 J
Carbon tetrachloride	760	22000		0.16 U	25 U	0.15 U	6.7 U	0.14 U	12 U	0.15 U	6.5 U
Chlorobenzene	1100	500000		0.19 U	48 U	0.18 U	13 U	0.16 U	23 U	0.19 U	13 U
Chloroform	370	350000		0.26 U	34 U	0.24 U	9.3 U	0.22 U	16 U	0.25 U	9 U
cis-1,2-Dichloroethene	250	500000		0.12 U	77 U	0.11 U	21 U	0.099 U	37 U	0.11 U	20 U
Ethylbenzene	1000	390000		0.18 U	**27000**	0.66 J	450	11	**2800**	0.17 U	26 J
Methylene chloride	50	500000		0.65 J B	79 U	0.97 J B	22 U	2.7 B	38 U	3 B	21 U
MTBE	930	500000		0.12 U	60 U	0.11 U	16 U	0.099 U	29 U	0.11 U	16 U
n-Butylbenzene	12000	500000		0.087 U	61 U	0.75 J	17 U	0.072 U	29 U	0.082 U	16 U
n-Propylbenzene	3900	500000		0.16 U	**19000**	0.39 J	280	4.5	**4200**	0.92 J	19 J
sec-Butylbenzene	11000	500000		0.14 U	3300	0.15 J	61 J	0.12 U	1400	0.13 U	21 U
tert-Butylbenzene	5900	500000		0.13 U	230 J	0.12 U	14 U	0.11 U	24 U	0.12 U	13 U
Tetrachloroethene	1300	150000		0.13 U	42 U	0.16 J	11 U	0.22 J	20 U	0.78 J	11 U
Toluene	700	500000		0.15 U	**6600**	0.65 J	300	12	**1100**	5.1	61 J
trans-1,2-Dichloroethene	190	500000		0.14 U	56 U	0.13 U	15 U	0.12 U	27 U	0.13 U	15 U
Trichloroethene	470	200000		0.13 U	40 U	0.12 U	11 U	0.11 U	19 U	0.12 U	11 U
Vinyl chloride	20	13000		0.37 U	63 U	0.34 U	17 U	0.31 U	30 U	0.35 U	17 U
Xylenes (total)	260	500000		0.73 U	**130000**	3.6	**4100**	140	**36000**	51	190 J
J - Estimated value				0.65	258730	18.03	26121	107.42	69500	82.7	298

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

Table 3. Summary of Volatile Organic Compounds in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-8	SB-8
			Sample Date:	7/17/2012	7/17/2012
			Sample Depth (ft bls):	12-12	13-15
1,1,1-Trichloroethane	680	500000		0.13 U	27 U
1,1-Dichloroethane	270	240000		0.11 U	56 U
1,1-Dichloroethene	330	500000		0.18 U	38 U
1,2,4-Trimethylbenzene	3600	190000		0.2 J	**120000**
1,2-Dichlorobenzene	1100	500000		0.096 U	88 U
1,2-Dichloroethane	20	30000		0.17 U	81 U
1,3,5-Trimethylbenzene	8400	190000		0.12 U	**39000**
1,3-Dichlorobenzene	2400	280000		0.15 U	58 U
1,4-Dichlorobenzene	1800	130000		0.11 U	100 U
1,4-Dioxane	100	130000		12 U	15000 U
2-Butanone (MEK)	120	500000		0.61 U	990 U
Acetone	50	500000		1.6 U	1100 U
Benzene	60	44000		0.14 U	**250 J**
Carbon tetrachloride	760	22000		0.14 U	24 U
Chlorobenzene	1100	500000		0.17 U	47 U
Chloroform	370	350000		0.23 U	34 U
cis-1,2-Dichloroethene	250	500000		0.11 U	76 U
Ethylbenzene	1000	390000		0.16 U	**27000**
Methylene chloride	50	500000		1.4 B	78 U
MTBE	930	500000		0.11 U	59 U
n-Butylbenzene	12000	500000		0.077 U	11000
n-Propylbenzene	3900	500000		0.14 U	**18000**
sec-Butylbenzene	11000	500000		0.13 U	3100
tert-Butylbenzene	5900	500000		0.12 U	50 U
Tetrachloroethene	1300	150000		0.12 U	42 U
Toluene	700	500000		0.13 U	**890**
trans-1,2-Dichloroethene	190	500000		0.13 U	55 U
Trichloroethene	470	200000		0.12 U	39 U
Vinyl chloride	20	13000		0.33 U	62 U
Xylenes (total)	260	500000		0.64 U	**140000**
				1.6	219240

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

Table 4. Summary of Semivolatile Organic Compounds in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-2	SB-2 DUP	SB-3	SB-4	SB-5	SB-6
			Sample Date:	7/18/2012	7/17/2012	7/17/2012	7/18/2012	7/17/2012	7/18/2012	7/17/2012
			Sample Depth (ft bls):	14-15	12-15	12-15	11-15	12-15	10-15	8-10
2-Methylphenol	330	500000		67 U	64 U	64 U	68 U	65 U	370 U	310 U
3&4-Methylphenol	--	--		67 U	64 U	64 U	68 U	65 U	370 U	310 U
Acenaphthene	20000	500000		57 U	55 U	54 U	75 J	63 J	310 U	270 U
Acenaphthylene	100000	500000		46 U	45 U	44 U	47 U	45 U	250 U	220 U
Anthracene	100000	500000		51 J	46 U	45 U	58 J	120 J	350 J	220 U
Benzo[a]anthracene	1000	5600		160	2.6 U	2.6 U	100	110	640	13 U
Benzo[a]pyrene	1000	1000		140	15 J	21 J	78	72	590	13 U
Benzo[b]fluoranthene	1000	5600		130	23 J	16 J	69	62	390	12 U
Benzo[g,h,i]perylene	100000	500000		100 J	28 U	28 U	46 J	33 J	370 J	140 U
Benzo[k]fluoranthene	800	56000		52	2.9 U	13 J	34 J	30 J	270	14 U
Chrysene	1000	56000		160 J	44 U	44 U	120 J	110 J	610 J	210 U
Dibenzo[a,h]anthracene	330	560		31 J	4.8 U	4.7 U	5 U	4.8 U	93 J	23 U
Dibenzofuran	7000	350000		46 U	44 U	44 U	73 J	79 J	250 U	210 U
Fluoranthene	100000	500000		230 J	70 J	65 J	160 J	220 J	1100 J	240 U
Fluorene	30000	500000		60 J	55 J	48 J	130 J	140 J	270 U	230 U
Hexachlorobenzene	330	6000		5.4 U	5.2 U	5.1 U	5.4 U	5.2 U	29 U	25 U
Indeno[1,2,3-cd]pyrene	500	5600		84	7 U	6.9 U	38 J	31 J	320	34 U
Naphthalene	12000	500000		580	190 J	160 J	1100	600	480 J	210 U
Pentachlorophenol	800	6700		120 U	110 U	110 U	120 U	110 U	640 U	540 U
Phenanthrene	100000	500000		200 J	130 J	120 J	330 J	490	1200 J	230 U
Phenol	330	500000		53 U	51 U	50 U	53 U	51 U	290 U	240 U
Pyrene	100000	500000		290 J	64 J	56 J	240 J	250 J	1200 J	150 U
				2268	547	499	2651	2410	7613	0

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

Table 4. Summary of Semivolatile Organic Compounds in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-7	SB-8
			Sample Date:	7/17/2012	7/17/2012
			Sample Depth (ft bls):	13-15	13-15
2-Methylphenol	330	500000		65 U	66 U
3&4-Methylphenol	--	--		65 U	66 U
Acenaphthene	20000	500000		56 U	56 U
Acenaphthylene	100000	500000		45 U	45 U
Anthracene	100000	500000		46 U	47 U
Benzo[a]anthracene	1000	5600		2.7 U	140
Benzo[a]pyrene	1000	1000		2.7 U	120
Benzo[b]fluoranthene	1000	5600		2.4 U	110
Benzo[g,h,i]perylene	100000	500000		28 U	62 J
Benzo[k]fluoranthene	800	56000		2.9 U	69
Chrysene	1000	56000		45 U	140 J
Dibenzo[a,h]anthracene	330	560		4.8 U	4.8 U
Dibenzofuran	7000	350000		45 U	45 U
Fluoranthene	100000	500000		57 J	280 J
Fluorene	30000	500000		49 U	49 U
Hexachlorobenzene	330	6000		5.2 U	5.3 U
Indeno[1,2,3-cd]pyrene	500	5600		7.1 U	61
Naphthalene	12000	500000		44 U	1100
Pentachlorophenol	800	6700		110 U	110 U
Phenanthrene	100000	500000		49 U	230 J
Phenol	330	500000		51 U	52 U
Pyrene	100000	500000		54 J	230 J
				111	2542

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

Table 5. Summary of Metals in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	SB-1	SB-2	SB-2 DUP	SB-3	SB-4	SB-5	SB-6
			Sample Date:	7/18/2012	7/17/2012	7/17/2012	7/18/2012	7/17/2012	7/18/2012	7/17/2012
			Sample Depth (ft bls):	14-15	12-15	12-15	11-15	12-15	10-15	8-10
Arsenic	13	16		5.1	2.5	2.4	3.4	2.6	8	2.8
Barium	350	400		53.9	45.2	53.8	53.9	48.8	61.8	30.6 J
Beryllium	7.2	590		0.35 J	0.27 J	0.26 J	0.31 J	0.23 J	0.33 J	0.17 J
Cadmium	2.5	9.3		0.75 J	0.16 U	0.15 U	0.25 J	0.15 U	0.22 J	0.22 J
Chromium	30	1500		15.4	13.6	17.3	12.2	12.2	20.7	8.8
Copper	50	270		**65.7**	11.9	12.6	20.3	13.9	39.1	11.9
Lead	63	1000		**103**	33	27.1	42.2	43.3	**71.2**	14
Manganese	1600	10000		197	530	389	285	296	216	139
Mercury	0.18	2.8		0.043	0.045	0.036	0.15	0.039	0.082	0.022 U
Nickel	30	310		12.6	11.8	13.4	12.3	10.8	13.9	7.3 J
Selenium	3.9	1500		1.4 U	1.4 U	1.4 U	1.6 U	1.3 U	1.7 U	1.3 U
Silver	2	1500		0.21 U	0.22 U	0.21 U	0.23 U	0.2 U	0.26 U	0.2 U
Zinc	109	10000		**199**	30.4	38.4	47.7	33	**230**	**113**

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

Table 5. Summary of Metals in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	SB-7	SB-8
			Sample Date:	7/17/2012	7/17/2012
			Sample Depth (ft bls):	13-15	13-15
Arsenic	13	16		4.7	3.2
Barium	350	400		87.1	49.1
Beryllium	7.2	590		0.36 J	0.29 J
Cadmium	2.5	9.3		0.19 J	0.28 J
Chromium	30	1500		19.2	17.8
Copper	50	270		**126**	40.8
Lead	63	1000		**120**	32.1
Manganese	1600	10000		332	301
Mercury	0.18	2.8		0.17	0.072
Nickel	30	310		16.2	15
Selenium	3.9	1500		1.5 U	1.5 U
Silver	2	1500		0.23 U	0.23 U
Zinc	109	10000		86.3	54.8

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

Table 6. Summary of Polychlorinated Biphenyls in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-2	SB-2 DUP	SB-3	SB-4	SB-5	SB-6
			Sample Date:	7/18/2012	7/17/2012	7/17/2012	7/18/2012	7/17/2012	7/18/2012	7/17/2012
			Sample Depth (ft bls):	14-15	12-15	12-15	11-15	12-15	10-15	8-10
Aroclor-1016	--	--		15 U	15 U	14 U	15 U	15 U	17 U	14 U
Aroclor-1221	--	--		24 U	23 U	23 U	24 U	23 U	26 U	22 U
Aroclor-1232	--	--		45 U	43 U	43 U	45 U	44 U	50 U	42 U
Aroclor-1242	--	--		15 U	15 U	14 U	15 U	15 U	17 U	14 U
Aroclor-1248	--	--		21 U	20 U	20 U	21 U	20 U	23 U	20 U
Aroclor-1254	--	--		27 U	26 U	26 U	27 U	26 U	30 U	25 U
Aroclor-1260	--	--		8.9 U	8.6 U	8.5 U	8.9 U	8.6 U	9.7 U	8.2 U
Aroclor-1262	--	--		14 U	13 U	13 U	14 U	13 U	15 U	13 U
Aroclor-1268	--	--		14 U	13 U	13 U	14 U	13 U	15 U	13 U
Total PCBs	100	1000		0	0	0	0	0	0	0

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
PCBs - Polychlorinated Biphenyls

Table 6. Summary of Polychlorinated Biphenyls in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-7	SB-8
			Sample Date:	7/17/2012	7/17/2012
			Sample Depth (ft bls):	13-15	13-15
Aroclor-1016	--	--		15 U	15 U
Aroclor-1221	--	--		23 U	23 U
Aroclor-1232	--	--		44 U	44 U
Aroclor-1242	--	--		15 U	15 U
Aroclor-1248	--	--		21 U	21 U
Aroclor-1254	--	--		26 U	27 U
Aroclor-1260	--	--		8.6 U	8.7 U
Aroclor-1262	--	--		13 U	13 U
Aroclor-1268	--	--		13 U	13 U
Total PCBs	100	1000		0	0

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
PCBs - Polychlorinated Biphenyls

Table 7. Summary of Pesticides and Herbicides in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-2	SB-2 DUP	SB-3	SB-4	SB-5	SB-6
			Sample Date:	7/18/2012	7/17/2012	7/17/2012	7/18/2012	7/17/2012	7/18/2012	7/17/2012
			Sample Depth (ft bls):	14-15	12-15	12-15	11-15	12-15	10-15	8-10
2,4,5-TP	3800	500000		2.2 U *	2.1 U *	2.1 U *	2.2 U *	2.1 U *	2.4 U *	2 U *
4,4'-DDD	3.3	92000		0.95 U	0.91 U	0.91 U	0.96 U	0.92 U	1 U	0.88 U
4,4'-DDE	3.3	62000		1.5 U	1.5 U	1.5 U	1.6 U	1.5 U	**3.8 J**	1.4 U
4,4'-DDT	3.3	47000		1 U	0.96 U	0.95 U	1 U	0.97 U	1.1 U	0.93 U
Aldrin	5	680		1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.9 U	1.6 U
alpha-BHC	20	3400		1.5 U	1.4 U	1.4 U	1.5 U	1.4 U	1.6 U	1.4 U
alpha-Chlordane	94	24000		1.7 U	1.6 U	1.6 U	1.7 U	1.6 U	1.8 U	1.6 U
beta-BHC	36	3000		1.1 U	1 U	1 U	1.1 U	1 U	1.2 U	1 U
delta-BHC	40	500000		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U
Dieldrin	5	1400		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U	1.4 U
Endosulfan I	2400	200000		1.7 U	1.6 U	1.6 U	1.7 U	1.6 U	1.8 U	1.6 U
Endosulfan II	2400	200000		1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U
Endosulfan sulfate	2400	200000		1 U	0.98 U	0.97 U	1 U	0.99 U	1.1 U	0.95 U
Endrin	14	89000		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1 U
gamma-BHC (Lindane)	100	9200		0.93 U	0.89 U	0.88 U	0.93 U	0.9 U	1 U	0.86 U
Heptachlor	42	15000		1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
* -
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 7. Summary of Pesticides and Herbicides in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-7	SB-8
			Sample Date:	7/17/2012	7/17/2012
			Sample Depth (ft bls):	13-15	13-15
2,4,5-TP	3800	500000		2.1 U *	2.2 U *
4,4'-DDD	3.3	92000		0.92 U	0.93 U
4,4'-DDE	3.3	62000		1.5 U	1.5 U
4,4'-DDT	3.3	47000		0.97 U	0.98 U
Aldrin	5	680		1.7 U	1.7 U
alpha-BHC	20	3400		1.4 U	1.4 U
alpha-Chlordane	94	24000		1.6 U	1.6 U
beta-BHC	36	3000		1 U	1.1 U
delta-BHC	40	500000		1.2 U	1.2 U
Dieldrin	5	1400		1.5 U	1.5 U
Endosulfan I	2400	200000		1.6 U	1.6 U
Endosulfan II	2400	200000		1.2 U	1.2 U
Endosulfan sulfate	2400	200000		0.99 U	1 U
Endrin	14	89000		1.1 U	1.1 U
gamma-BHC (Lindane)	100	9200		0.9 U	0.91 U
Heptachlor	42	15000		1.1 U	1.1 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
* -
DUP - Duplicate sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 8. Summary of General Chemistry in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	SB-1	SB-2	SB-2 DUP	SB-3	SB-4	SB-5	SB-6
			Sample Date:	7/18/2012	7/17/2012	7/17/2012	7/18/2012	7/17/2012	7/18/2012	7/17/2012
			Sample Depth (ft bls):	14-15	12-15	12-15	11-15	12-15	10-15	8-10
Chromium, Hexavalent	1	400		1.5 U	1.4 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U
Chromium, Trivalent	30	1500		15.4	13.6	17.3	12.2	12.2	20.7	8.8
Cyanide, Free	27	27		0.064 U	0.062 U	0.061 U	0.065 U	0.062 U	0.34 J	0.06 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC
Part 375 Commercial Standards

Table 8. Summary of General Chemistry in Soil, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	SB-7	SB-8
			Sample Date:	7/17/2012	7/17/2012
			Sample Depth (ft bls):	13-15	13-15
Chromium, Hexavalent	1	400		1.4 U	1.4 U
Chromium, Trivalent	30	1500		19.2	17.8
Cyanide, Free	27	27		0.062 U	0.063 U

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
DUP - Duplicate sample
mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
-- No NYSDEC Part 375 Commercial Standards available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 9. Summary of Volatile Organic Compounds in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-1 7/17/2012	MW-2 7/18/2012	MW-3 7/17/2012	MW-3 DUP 7/17/2012	MW-5 7/18/2012	MW-7 7/18/2012	MW-8 7/18/2012	MW-9 7/18/2012
1,1,1-Trichloroethane	5		0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.6 U
1,1-Dichloroethane	5		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.3 U
1,1-Dichloroethene	5		0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.9 U
1,2,4-Trimethylbenzene	5		4.4	**92**	0.13 U	0.13 U	0.13 U	**12**	0.13 U	**850**
1,2-Dichlorobenzene	3		0.21 U	0.82 J	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	2.1 U
1,2-Dichloroethane	0.6		0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	1.9 U
1,3,5-Trimethylbenzene	5		0.72 J	1.6	0.15 U	0.15 U	0.15 U	0.84 J	0.15 U	**490**
1,3-Dichlorobenzene	3		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.4 U
1,4-Dichlorobenzene	3		0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	2.3 U
1,4-Dioxane	--		36 U	36 U	36 U	36 U	36 U	36 U	36 U	360 U
2-Butanone (MEK)	50		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	23 U
Acetone	50		2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	9.1	27 U
Benzene	1		**40**	**48**	0.08 U	0.08 U	0.08 U	**9.3**	0.38 J	**2500**
Carbon tetrachloride	5		0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.6 U
Chlorobenzene	5		0.11 U	0.44 J	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.1 U
Chloroform	7		0.28 J	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.8 U
cis-1,2-Dichloroethene	5		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.8 U
Ethylbenzene	5		**14**	**97**	0.1 U	0.1 U	0.1 U	**14**	0.1 U	**590**
Methylene chloride	5		0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.29 J	0.18 U	1.8 U
MTBE	10		4.9	2.9	0.57 J	0.7 J	0.38 J	0.39 J	4.9	**74**
n-Butylbenzene	5		0.14 U	2.6	0.14 U	0.14 U	0.14 U	0.34 J	0.14 U	1.4 U
n-Propylbenzene	5		2.4	**24**	0.1 U	0.1 U	0.1 U	**5.6**	0.1 U	**110**
sec-Butylbenzene	5		0.8 J	2	0.18 U	0.18 U	0.18 U	1.9	0.18 U	**7 J**
tert-Butylbenzene	5		0.17 J	0.17 J	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	1.2 U
Tetrachloroethene	5		0.1 U	0.1 U	0.1 U	0.1 U	0.24 J	0.18 J	0.1 U	1 U
Toluene	5		1.6	3.5	0.15 U	0.15 U	0.15 U	0.67 J	0.15 U	**140**
trans-1,2-Dichloroethene	5		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	1.3 U
Trichloroethene	5		0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.9 U
Vinyl chloride	2		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	1.4 U
Xylenes (total)	5		**27**	**56**	0.36 U	0.36 U	0.36 U	2.5 J	0.36 U	**1100**
			69.27	239.03	0.57	0.7	0.62	45.51	14.38	4761

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 9. Summary of Volatile Organic Compounds in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-10 7/17/2012	TRIP BLANK 7/17/2012	FB 071712 7/17/2012	FB071812 7/18/2012
1,1,1-Trichloroethane	5		0.06 U	0.06 U	0.06 U	0.06 U
1,1-Dichloroethane	5		0.13 U	0.13 U	0.13 U	0.13 U
1,1-Dichloroethene	5		0.09 U	0.09 U	0.09 U	0.09 U
1,2,4-Trimethylbenzene	5		0.56 J	0.13 U	0.13 U	0.13 U
1,2-Dichlorobenzene	3		0.21 U	0.21 U	0.21 U	0.21 U
1,2-Dichloroethane	0.6		0.19 U	0.19 U	0.19 U	0.19 U
1,3,5-Trimethylbenzene	5		0.23 J	0.15 U	0.15 U	0.15 U
1,3-Dichlorobenzene	3		0.14 U	0.14 U	0.14 U	0.14 U
1,4-Dichlorobenzene	3		0.23 U	0.23 U	0.23 U	0.23 U
1,4-Dioxane	--		36 U	36 U	36 U	36 U
2-Butanone (MEK)	50		2.3 U	2.3 U	2.3 U	2.3 U
Acetone	50		13	2.7 U	2.7 U	2.7 U
Benzene	1		**1.6**	0.08 U	0.08 U	0.08 U
Carbon tetrachloride	5		0.06 U	0.06 U	0.06 U	0.06 U
Chlorobenzene	5		0.11 U	0.11 U	0.11 U	0.11 U
Chloroform	7		0.08 U	0.08 U	0.08 U	0.08 U
cis-1,2-Dichloroethene	5		0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	5		0.32 J	0.1 U	0.1 U	0.1 U
Methylene chloride	5		0.18 U	0.18 U	0.18 U	0.18 U
MTBE	10		6.6	0.14 U	0.14 U	0.14 U
n-Butylbenzene	5		0.14 U	0.14 U	0.14 U	0.14 U
n-Propylbenzene	5		0.88 J	0.1 U	0.1 U	0.1 U
sec-Butylbenzene	5		1.9	0.18 U	0.18 U	0.18 U
tert-Butylbenzene	5		0.71 J	0.12 U	0.12 U	0.12 U
Tetrachloroethene	5		0.1 U	0.1 U	0.1 U	0.1 U
Toluene	5		0.15 U	0.15 U	0.15 U	0.15 U
trans-1,2-Dichloroethene	5		0.13 U	0.13 U	0.13 U	0.13 U
Trichloroethene	5		0.09 U	0.09 U	0.09 U	0.09 U
Vinyl chloride	2		0.14 U	0.14 U	0.14 U	0.14 U
Xylenes (total)	5		0.51 J	0.36 U	0.36 U	0.36 U
			25.8			

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-1 7/17/2012	MW-2 7/18/2012	MW-3 7/17/2012	MW-3 DUP 7/17/2012	MW-5 7/18/2012	MW-7 7/18/2012	MW-8 7/18/2012	MW-9 7/18/2012
2-Methylphenol	--		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	3.7 U
3&4-Methylphenol	--		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	6 J
Acenaphthene	20		2.7 U	2.8 U	2.7 U	2.7 U	2.8 U	2.8 U	2.8 U	5.5 U
Acenaphthylene	20		2.7 U	2.8 U	2.7 U	2.7 U	2.8 U	2.8 U	2.8 U	5.5 U
Anthracene	50		2.8 U	2.9 U	2.8 U	2.8 U	2.9 U	2.9 U	2.9 U	5.7 U
Benzo[a]anthracene	0.002		0.27 U	0.28 U	0.27 U	0.27 U	0.28 U	0.28 U	0.28 U	0.55 U
Benzo[a]pyrene	0		0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.29 U
Benzo[b]fluoranthene	0.002		0.26 U	0.27 U	0.26 U	0.26 U	0.27 U	0.27 U	0.27 U	0.53 U
Benzo[g,h,i]perylene	--		2 U	2 U	2 U	2 U	2 U	2 U	2 U	4.1 U
Benzo[k]fluoranthene	0.002		0.26 U	0.27 U	0.26 U	0.26 U	0.27 U	0.27 U	0.27 U	0.53 U
Chrysene	0.002		3.1 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.2 U	6.3 U
Dibenzo[a,h]anthracene	--		0.09 U	0.092 U	0.09 U	0.09 U	0.092 U	0.092 U	0.092 U	0.18 U
Dibenzofuran	--		2.8 U	2.9 U	2.8 U	2.8 U	2.9 U	2.9 U	2.9 U	5.7 U
Fluoranthene	50		3.2 U	3.3 U	3.2 U	3.2 U	3.3 U	3.3 U	3.3 U	6.5 U
Fluorene	50		2.8 U	2.9 U	2.8 U	2.8 U	2.9 U	2.9 U	2.9 U	5.7 U
Hexachlorobenzene	0.04		0.29 U	0.3 U	0.29 U	0.29 U	0.3 U	0.3 U	0.3 U	0.59 U
Indeno[1,2,3-cd]pyrene	0.002		0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.31 U
Naphthalene	10		6.3 J	**13**	2.7 U	2.7 U	2.8 U	6.8 J	2.8 U	**440**
Pentachlorophenol	1		5.3 U	5.4 U	5.3 U	5.3 U	5.4 U	5.4 U	5.4 U	11 U
Phenanthrene	50		3.1 U	3.2 U	3.1 U	3.1 U	3.2 U	3.2 U	3.2 U	6.3 U
Phenol	1		0.81 U	0.83 U	0.81 U	0.81 U	0.83 U	0.83 U	0.83 U	**11 J**
Pyrene	50		2.9 U	3 U	2.9 U	2.9 U	3 U	3 U	3 U	5.9 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:**	MW-10	FB 071712	FB071812
		Sample Date:	7/17/2012	7/17/2012	7/18/2012
2-Methylphenol	--		1.8 U	1.8 U	1.8 U
3&4-Methylphenol	--		1.6 U	1.6 U	1.6 U
Acenaphthene	20		2.7 U	2.8 U	2.8 U
Acenaphthylene	20		2.7 U	2.8 U	2.8 U
Anthracene	50		2.8 U	2.9 U	2.9 U
Benzo[a]anthracene	0.002		0.27 U	0.28 U	0.28 U
Benzo[a]pyrene	0		0.14 U	0.14 U	0.14 U
Benzo[b]fluoranthene	0.002		0.26 U	0.27 U	0.27 U
Benzo[g,h,i]perylene	--		2 U	2 U	2 U
Benzo[k]fluoranthene	0.002		0.26 U	0.27 U	0.27 U
Chrysene	0.002		3.1 U	3.2 U	3.2 U
Dibenzo[a,h]anthracene	--		0.09 U	0.092 U	0.092 U
Dibenzofuran	--		2.8 U	2.9 U	2.9 U
Fluoranthene	50		3.2 U	3.3 U	3.3 U
Fluorene	50		2.8 U	2.9 U	2.9 U
Hexachlorobenzene	0.04		0.29 U	0.3 U	0.3 U
Indeno[1,2,3-cd]pyrene	0.002		0.15 U	0.15 U	0.15 U
Naphthalene	10		2.7 U	2.8 U	2.8 U
Pentachlorophenol	1		5.3 U	5.4 U	5.4 U
Phenanthrene	50		3.1 U	3.2 U	3.2 U
Phenol	1		0.81 U	0.83 U	0.83 U
Pyrene	50		2.9 U	3 U	3 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 11. Summary of Metals in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-1 7/17/2012	MW-2 7/18/2012	MW-3 7/17/2012	MW-3 DUP 7/17/2012	MW-5 7/18/2012	MW-7 7/18/2012	MW-8 7/18/2012	MW-9 7/18/2012
Arsenic	25		3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	6.3	3.7 U	17.1
Barium	1000		143 J	88.5 J	146 J	147 J	180 J	178 J	137 J	336
Beryllium	3		0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Cadmium	5		0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
Chromium	50		4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
Copper	200		8.5 J	25.3	7.8 U	7.8 U	7.8 U	7.8 U	10.5 J	7.8 U
Lead	25		4 U	7.9	4 U	4 U	4 U	4 U	4 U	4 U
Manganese	300		**533**	**481**	**933**	**973**	**838**	**841**	**356**	**1680**
Mercury	0.7		0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Nickel	100		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Selenium	10		5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U	5.8 U
Silver	50		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Zinc	2000		5.8 U	46.7	5.8 U	5.8 U	5.8 U	6.9 J	11.9 J	5.8 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 11. Summary of Metals in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-10 7/17/2012	FB 071712 7/17/2012	FB071812 7/18/2012
Arsenic	25		3.7 U	3.7 U	3.7 U
Barium	1000		134 J	5.9 U	5.9 U
Beryllium	3		0.78 U	0.78 U	0.78 U
Cadmium	5		0.82 U	0.82 U	0.82 U
Chromium	50		4.5 U	4.5 U	4.5 U
Copper	200		7.8 U	7.8 U	7.8 U
Lead	25		4 U	4 U	4 U
Manganese	300		**1200**	4.3 U	4.3 U
Mercury	0.7		0.16 U	0.16 U	0.16 U
Nickel	100		5 U	5 U	5 U
Selenium	10		5.8 U	5.8 U	5.8 U
Silver	50		1.3 U	1.3 U	1.3 U
Zinc	2000		5.8 U	5.8 U	5.8 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 12. Summary of Polychlorinated Biphenyls in Groundwater, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	FB 071712 7/17/2012	FB071812 7/18/2012	MW-1 7/17/2012	MW-2 7/18/2012	MW-3 7/17/2012	MW-3 DUP 7/17/2012	MW-5 7/18/2012	MW-7 7/18/2012
Aroclor-1016	--		0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Aroclor-1221	--		0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Aroclor-1232	--		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1242	--		0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U
Aroclor-1248	--		0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Aroclor-1254	--		0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Aroclor-1260	--		0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Total PCBs	0.09		0	0	0	0	0	0	0	0

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
PCBs - Polychlorinated Biphenyls

Table 12. Summary of Polychlorinated Biphenyls in Groundwater, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-8 7/18/2012	MW-9 7/18/2012	MW-10 7/17/2012
Aroclor-1016	--		0.13 U	0.13 U	0.13 U
Aroclor-1221	--		0.28 U	0.28 U	0.28 U
Aroclor-1232	--		0.12 U	0.12 U	0.12 U
Aroclor-1242	--		0.12 U	0.12 U	0.12 U
Aroclor-1248	--		0.24 U	0.24 U	0.24 U
Aroclor-1254	--		0.17 U	0.17 U	0.17 U
Aroclor-1260	--		0.15 U	0.15 U	0.15 U
Total PCBs	0.09		0	0	0

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQS(
PCBs - Polychlorinated Biphenyls

Table 13. Summary of Pesticides in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	FB 071712 7/17/2012	FB071812 7/18/2012	MW-1 7/17/2012	MW-2 7/18/2012	MW-3 7/17/2012	MW-3 DUP 7/17/2012	MW-5 7/18/2012	MW-7 7/18/2012
2,4,5-TP	0.26		0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U	0.091 U
4,4'-DDD	0.3		0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
4,4'-DDE	0.2		0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U
4,4'-DDT	0.2		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aldrin	0		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
alpha-BHC	--		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
alpha-Chlordane	--		0.0081 U	NA	0.0081 U	NA	0.0081 U	0.0081 U	NA	NA
beta-BHC	--		0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
Chlordane	0.05		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
delta-BHC	--		0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U
Dieldrin	0.004		0.0051 U	0.0051 U	0.0051 U	0.0051 U	0.0051 U	0.0051 U	0.0051 U	0.0051 U
Endosulfan I	--		0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U	0.0091 U
Endosulfan II	--		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Endosulfan sulfate	--		0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
Endrin	0		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
gamma-BHC (Lindane)	--		0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Heptachlor	0.04		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 13. Summary of Pesticides in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-8 7/18/2012	MW-9 7/18/2012	MW-10 7/17/2012
2,4,5-TP	0.26		0.091 U	0.091 U	0.091 U
4,4'-DDD	0.3		0.011 U	0.011 U	0.011 U
4,4'-DDE	0.2		0.0091 U	0.0091 U	0.0091 U
4,4'-DDT	0.2		0.01 U	0.01 U	0.01 U
Aldrin	0		0.01 U	0.01 U	0.01 U
alpha-BHC	--		0.01 U	0.01 U	0.01 U
alpha-Chlordane	--		NA	NA	0.0081 U
beta-BHC	--		0.011 U	0.011 U	0.011 U
Chlordane	0.05		0.34 U	0.34 U	0.34 U
delta-BHC	--		0.0091 U	0.0091 U	0.0091 U
Dieldrin	0.004		0.0051 U	0.0051 U	0.0051 U
Endosulfan I	--		0.0091 U	0.0091 U	0.0091 U
Endosulfan II	--		0.01 U	0.01 U	0.01 U
Endosulfan sulfate	--		0.016 U	0.016 U	0.016 U
Endrin	0		0.01 U	0.01 U	0.01 U
gamma-BHC (Lindane)	--		0.012 U	0.012 U	0.012 U
Heptachlor	0.04		0.01 U	0.01 U	0.01 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQS(
NA - Compound was not analyzed by laboratory

Table 14. Summary of General Chemistry in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	FB 071712 7/17/2012	FB071812 7/18/2012	MW-1 7/17/2012	MW-2 7/18/2012	MW-3 7/17/2012	MW-3 DUP 7/17/2012	MW-5 7/18/2012
Chromium, Hexavalent	50		2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Chromium, Trivalent	--		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cyanide, Free	200		0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 14. Summary of General Chemistry in Groundwater, Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	MW-7 7/18/2012	MW-8 7/18/2012	MW-9 7/18/2012	MW-10 7/17/2012
Chromium, Hexavalent	50		5.4 U	2.7 U	2.7 U	2.7 U
Chromium, Trivalent	--		10 U	10 U	10 U	10 U
Cyanide, Free	200		0.0014 U	0.0014 U	0.0014 U	0.0014 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 15. Summary of Volatile Organic Compounds in Soil Vapor, 5510 Broadway, Bronx, New York

Parameter (Concentrations in ug/m3)	**Sample Designation:**	SV-1	SV-2	SV-3	SV-4
	Sample Date:	7/18/2012	7/18/2012	7/18/2012	7/18/2012
1,1,1-Trichloroethane		11 U	320 U	**10**	1.1 U
1,1,2,2-Tetrachloroethane		14 U	410 U	9.8 U	1.4 U
1,1,2-Trichloroethane		11 U	320 U	7.8 U	1.1 U
1,1-Dichloroethane		8.1 U	240 U	5.8 U	0.81 U
1,1-Dichloroethene		7.9 U	240 U	5.7 U	0.79 U
1,2-Dibromoethane		15 U	460 U	11 U	1.5 U
1,2-Dichloroethane		8.1 U	240 U	5.8 U	0.81 U
1,2-Dichloroethene (total)		7.9 U	240 U	5.7 U	0.79 U
1,2-Dichloropropane		9.2 U	270 U	6.6 U	0.92 U
1,3,5-Trimethylbenzene		**230**	290 U	**190**	**24**
1,3-Butadiene		4.4 U	130 U	3.2 U	0.44 U
3-Chloropropene		16 U	460 U	11 U	1.6 U
4-Ethyltoluene		**66**	290 U	**82**	**15**
Benzene		**49**	**900**	**63**	**4**
Bromodichloromethane		13 U	400 U	9.6 U	1.3 U
Bromoethene		8.7 U	260 U	6.2 U	0.87 U
Bromoform		21 U	610 U	15 U	2.1 U
Bromomethane		7.8 U	230 U	5.5 U	0.78 U
Carbon tetrachloride		13 U	370 U	9 U	1.3 U
Chloroethane		13 U	390 U	9.4 U	1.3 U
Chloroform		9.8 U	290 U	7 U	0.98 U
cis-1,2-Dichloroethene		7.9 U	240 U	5.7 U	0.79 U
cis-1,3-Dichloropropene		9.1 U	270 U	6.5 U	0.91 U
Cyclohexane		**32**	**1800**	**13**	**3.9**
Dibromochloromethane		17 U	510 U	12 U	1.7 U
Dichlorodifluoromethane		25 U	730 U	18 U	**6.9**
Ethylbenzene		**51**	260 U	**63**	**17**
Freon 114		14 U	420 U	10 U	1.4 U
Isooctane		**830**	**40000**	**350**	**54**
m+p-Xylene		**160**	640 U	**350**	**80**
Methylene chloride		17 U	520 U	12 U	1.7 U
MTBE		7.2 U	**2600**	5.1 U	**64**
n-Heptane		**83**	**990**	**16**	**15**
n-Hexane		**89**	**3000**	**19**	**12**
o-Xylene		**100**	260 U	**160**	**30**

Table 15. Summary of Volatile Organic Compounds in Soil Vapor, 5510 Broadway, Bronx, New York

Parameter (Concentrations in ug/m3)	**Sample Designation:** / **Sample Date:**	SV-1 7/18/2012	SV-2 7/18/2012	SV-3 7/18/2012	SV-4 7/18/2012
Tetrachloroethene		**82**	400 U	**1400**	**75**
Toluene		**470**	**220**	**230**	**26**
trans-1,2-Dichloroethene		7.9 U	240 U	5.7 U	0.79 U
trans-1,3-Dichloropropene		9.1 U	270 U	6.5 U	0.91 U
Trichloroethene		11 U	**1100**	7.7 U	1.1 U
Trichlorofluoromethane		11 U	330 U	8 U	**1.6**
Vinyl chloride		5.1 U	150 U	3.7 U	0.51 U
Xylenes (total)		**260**	**580**	**520**	**110**

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

FIGURES

1. Site Location Map
2. Site Plan
3. Surrounding Land Use
4. Groundwater Flow Map
5. Soil Sample Results
6. Groundwater Sample Results
7. Soil Vapor Sample Results

N

0 400'

Title:

SITE LOCATION MAP

5510 BROADWAY
BRONX, NEW YORK

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.G.	Date: 15AUG12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: J.G.	Project No.: 1924.0005Y000	
File: 1924.0005Y101.02.CDR		

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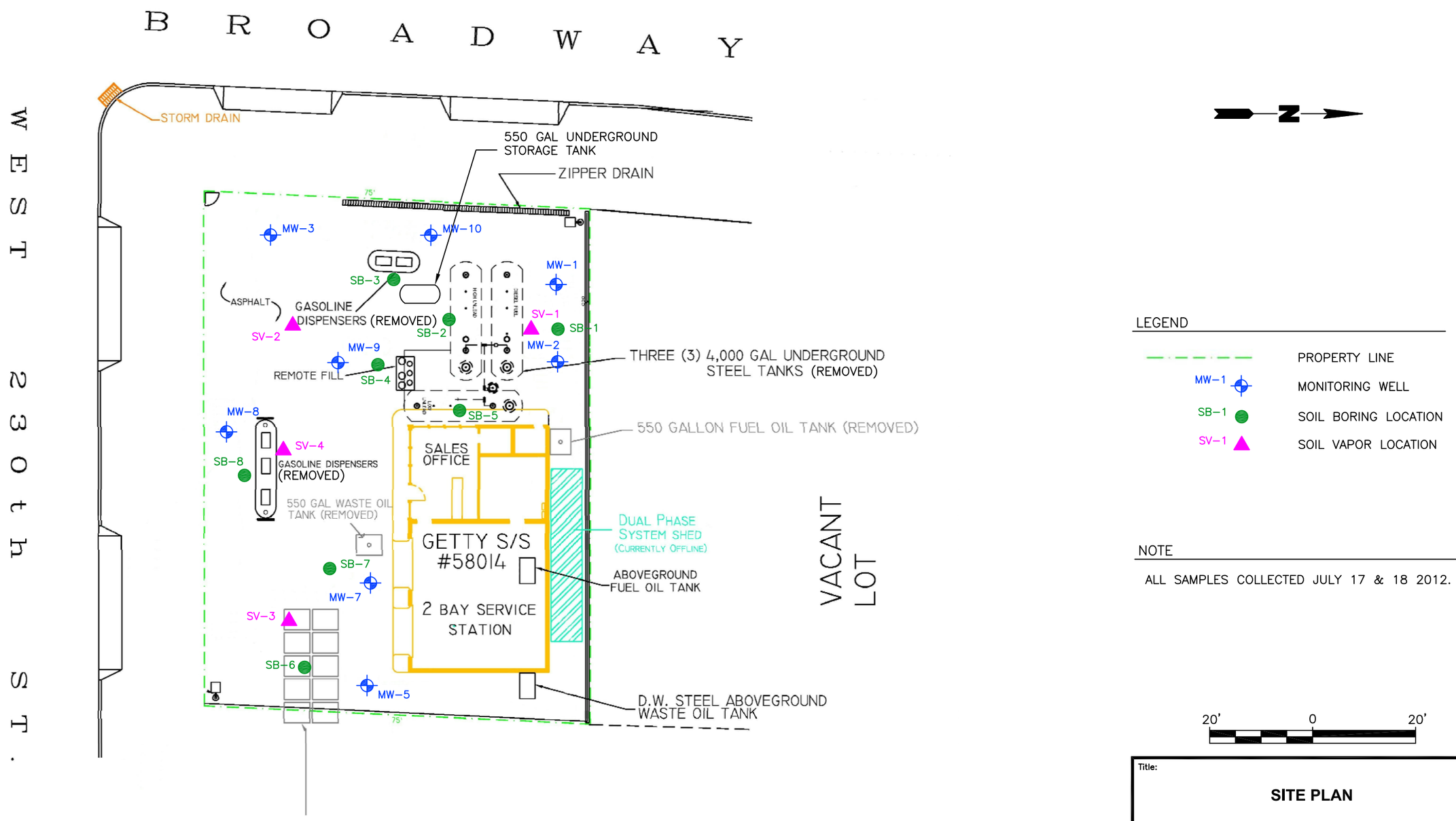

Title:

SITE PLAN

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 15AUG12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr: W.M.	Project: 1924.0005Y000	2
File: 1924.0005Y101.01.DWG		

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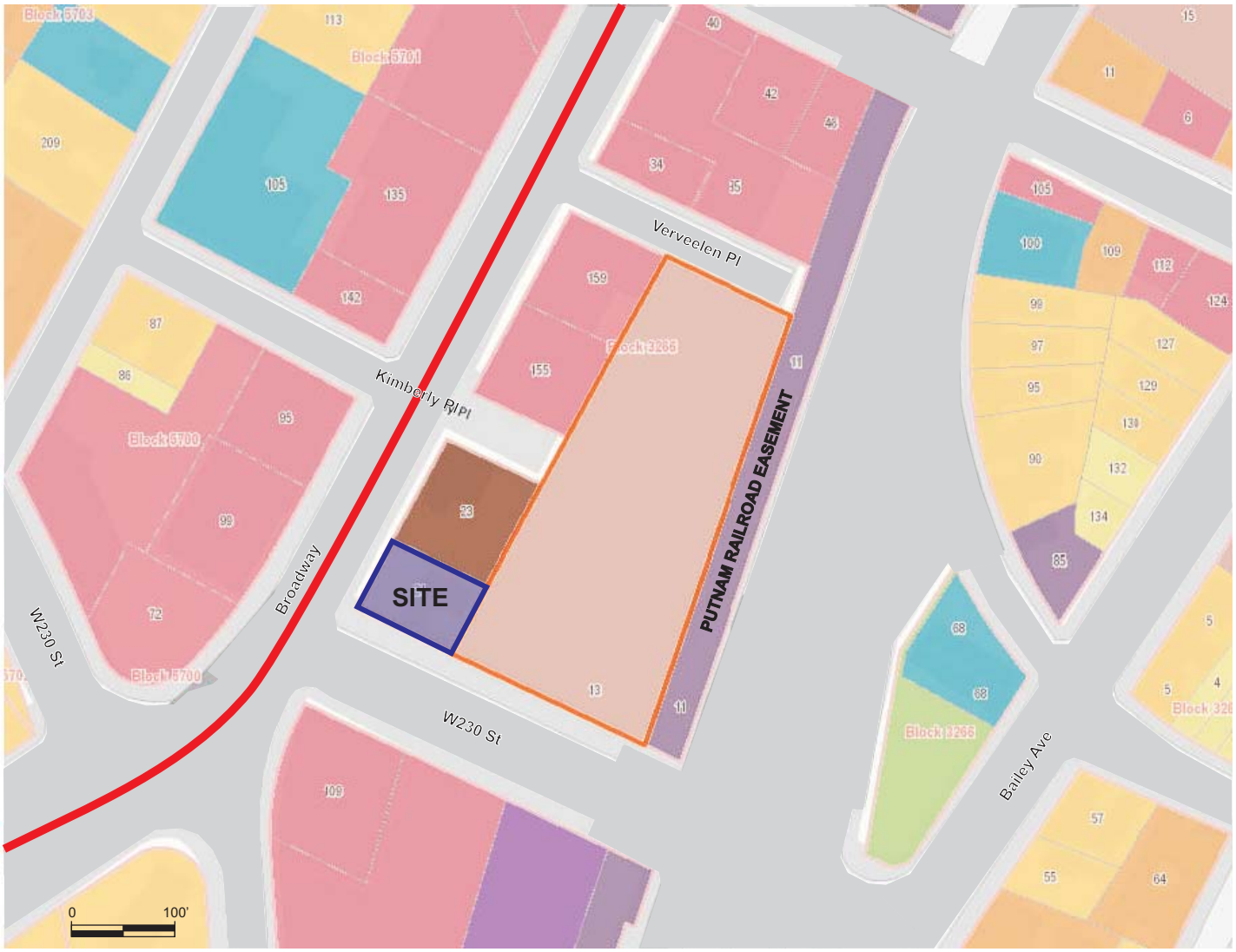

LEGEND

- Commercial / Industrial
- Residential and Mixed use
- Institutions
- Parks / Recreation
- Roads and Highways
- Vacant Lot
- Site
- Transportation

Note:
Base Map adapted from NYC Open Accessible Space Information System (OASIS), www.oasisnyc.net, April 2012.

Title:

SURROUNDING LAND USE

5510 BROADWAY
BRONX, NEW YORK

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.G.	Date: 19OCT12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	3
Project Mgr.: J.G.	Project No.: 1924.0003Y	
File: 1924.0005Y101.03.CDR		

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LEGEND

	PROPERTY LINE
MW-1	MONITORING WELL
88.20	LINED OF EQUAL GROUNDWATER ELEVATION (DASHED WHERE INFERRED)
	INFERRED GROUNDWATER FLOW DIRECTION
88.42	GROUNDWATER ELEVATION (FEET RELATIVE TO SITE DATUM)
*	NOT INCLUDED IN CONTOURING DUE TO ANOMALOUS ELEVATION DATA

NOTE

ALL SAMPLES COLLECTED JULY 17 & 18 2012.

20' 0 20'

Title:

GROUNDWATER ELEVATION CONTOURS

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 19OCT12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	4
Project Mgr: W.M.	Project: 1924.0005Y000	
File: 1924.0005Y101.01R.DWG		

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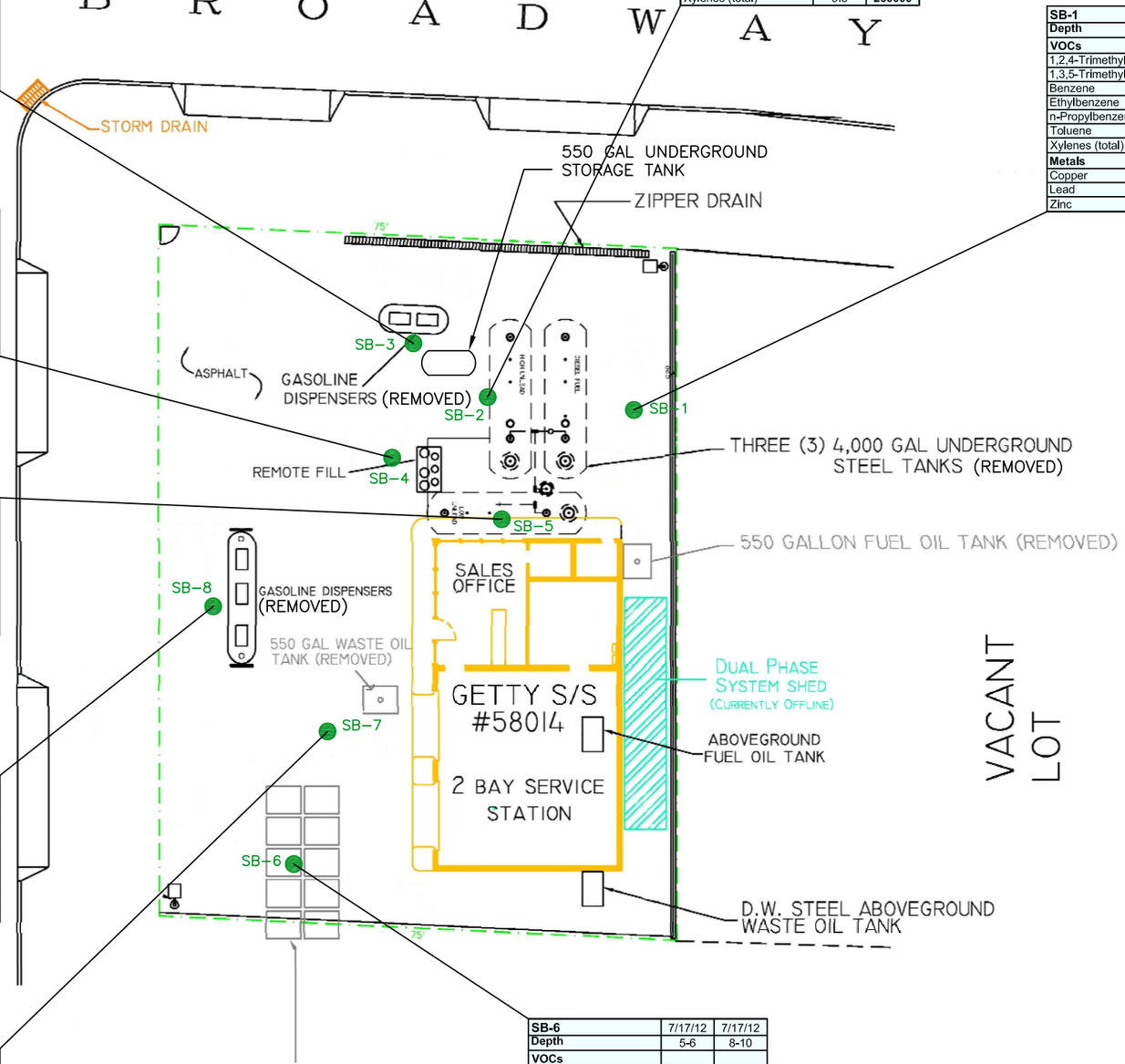

SB-3	7/18/12	7/18/12
Depth	1-3	11-15
VOCs		
1,2,4-Trimethylbenzene	110	**19000**
1,3,5-Trimethylbenzene	40	**14000**
Acetone	**63 B**	260 U
Benzene	0.23 J	**1400**
Ethylbenzene	2.2	**3000**
n-Propylbenzene	9	**7300**
Xylenes (total)	18	**5100**

SB-2	7/17/12	7/17/12
Depth	5-5	12-15
VOCs		
1,2,4-Trimethylbenzene	5.4	**140000**
1,3,5-Trimethylbenzene	1.2	**45000**
Benzene	0.66 J	**2100**
Ethylbenzene	2.1	**49000**
n-Propylbenzene	1.1	**17000**
Toluene	1.6	**30000**
Xylenes (total)	9.5	**260000**

SB-1	7/18/12	7/18/12
Depth	14-15	4-5
VOCs		
1,2,4-Trimethylbenzene	**41000**	5.7
1,3,5-Trimethylbenzene	**13000**	2.2
Benzene	**93 J**	0.15 U
Ethylbenzene	**8600**	1
n-Propylbenzene	**8400**	0.62 J
Toluene	**3200**	1.1
Xylenes (total)	**35000**	8
Metals		
Copper	**65.7**	NA
Lead	**103**	NA
Zinc	**199**	NA

SB-4	7/17/12	7/17/12
Depth	10-10	12-15
VOCs		
1,2,4-Trimethylbenzene	0.16 U	**150000**
1,3,5-Trimethylbenzene	0.13 U	**50000**
Benzene	0.16 U	**2600**
Ethylbenzene	0.18 U	**27000**
n-Propylbenzene	0.16 U	**19000**
Toluene	0.15 U	**6600**
Xylenes (total)	0.73 U	**130000**

SB-5	7/18/12	7/18/12
Depth	2-3	10-15
VOCs		
Xylenes (total)	3.6	**4100**
Metals		
Lead	NA	**71.2**
Zinc	NA	**230**
Pesticides		
4,4'-DDE	NA	**3.8 J**

SB-8	7/17/12	7/17/12
Depth	12-12	13-15
VOCs		
1,2,4-Trimethylbenzene	0.2 J	**120000**
1,3,5-Trimethylbenzene	0.12 U	**39000**
Benzene	0.14 U	**250 J**
Ethylbenzene	0.16 U	**27000**
n-Propylbenzene	0.14 U	**18000**
Toluene	0.13 U	**890**
Xylenes (total)	0.64 U	**140000**

SB-7	7/17/12	7/17/12
Depth	12-12	13-15
Metals		
Copper	NA	**126**
Lead	NA	**120**

SB-6	7/17/12	7/17/12
Depth	5-6	8-10
VOCs		
1,2,4-Trimethylbenzene	41	**44000**
1,3,5-Trimethylbenzene	16	**16000**
Ethylbenzene	11	**2800**
n-Propylbenzene	4.5	**4200**
Toluene	12	**1100**
Xylenes (total)	140	**36000**
Metals		
Zinc	NA	**113**

N

LEGEND

PROPERTY LINE

SB-1 SOIL BORING LOCATION

NOTE

ALL SAMPLES COLLECTED JULY 17 & 18 2012.

Parameter	Part 375 Unrestricted Use Standards	Part 375 Commercial Use Standards
VOCs (µg/kg)		
1,2,4-Trimethylbenzene	3600	**190000**
1,3,5-Trimethylbenzene	8400	**190000**
Acetone	50	**500000**
Benzene	60	**44000**
Ethylbenzene	1000	**390000**
n-Propylbenzene	3900	**500000**
Toluene	700	**500000**
Xylenes (total)	260	**500000**
Metals (mg/kg)		
Copper	50	**270**
Lead	63	**1000**
Zinc	109	**10000**
Pesticides (µg/kg)		
4,4'-DDE	3.3	**62000**

µg/kg - Micrograms per kilogram
mg/kg - Milligrams per kilogram
J - Estimated value
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
PCBs - Polychlorinated Biphenyls
NE - No exceedances
NA - Not Analyzed
U - Not Detected

20' 0 20'

Title:

SOIL SAMPLE RESULTS

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 19OCT12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	5
Project Mgr: W.M.	Project: 1924.0005Y000	
File: 1924.0005Y101.01R.DWG		

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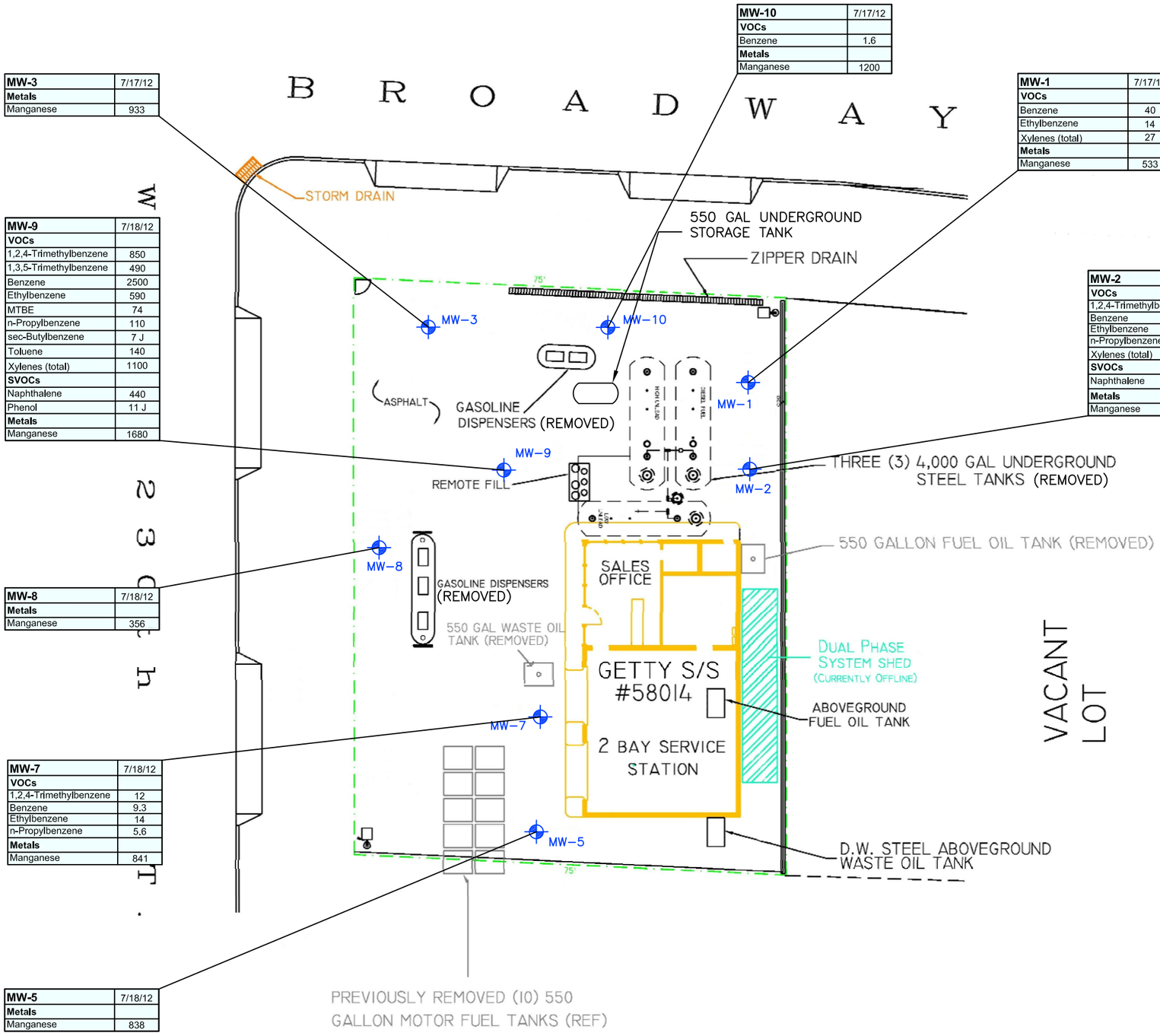

MW-3	7/17/12
Metals	
Manganese	933

MW-10	7/17/12
VOCs	
Benzene	1.6
Metals	
Manganese	1200

MW-1	7/17/12
VOCs	
Benzene	40
Ethylbenzene	14
Xylenes (total)	27
Metals	
Manganese	533

MW-9	7/18/12
VOCs	
1,2,4-Trimethylbenzene	850
1,3,5-Trimethylbenzene	490
Benzene	2500
Ethylbenzene	590
MTBE	74
n-Propylbenzene	110
sec-Butylbenzene	7 J
Toluene	140
Xylenes (total)	1100
SVOCs	
Naphthalene	440
Phenol	11 J
Metals	
Manganese	1680

MW-2	7/18/12
VOCs	
1,2,4-Trimethylbenzene	92
Benzene	48
Ethylbenzene	97
n-Propylbenzene	24
Xylenes (total)	56
SVOCs	
Naphthalene	13
Metals	
Manganese	481

MW-8	7/18/12
Metals	
Manganese	356

MW-7	7/18/12
VOCs	
1,2,4-Trimethylbenzene	12
Benzene	9.3
Ethylbenzene	14
n-Propylbenzene	5.6
Metals	
Manganese	841

MW-5	7/18/12
Metals	
Manganese	838

N

LEGEND

PROPERTY LINE

MW-1 MONITORING WELL

NOTES

1. ALL SAMPLES COLLECTED JULY 17 & 18 2012.
2. ONLY EXCEEDANCES LISTED.

Parameter (Concentrations in µg/L)	Standards* (µg/L)
VOCs	
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Benzene	1
Ethylbenzene	5
MTBE	10
n-Propylbenzene	5
sec-Butylbenzene	5
Toluene	5
Xylenes (total)	5
SVOCs	
Naphthalene	10
Phenol	1
Metals	
Manganese	300

Concentrations in µg/L
µg/L - Micrograms per liter
*NYSDEC AWQSGVs
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
J - Estimated value
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds

20' 0 20'

Title:

GROUNDWATER SAMPLE RESULTS

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 19OCT12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr: W.M.	Project: 1924.0005Y000	6
File: 1924.0005Y101.01R.DWG		

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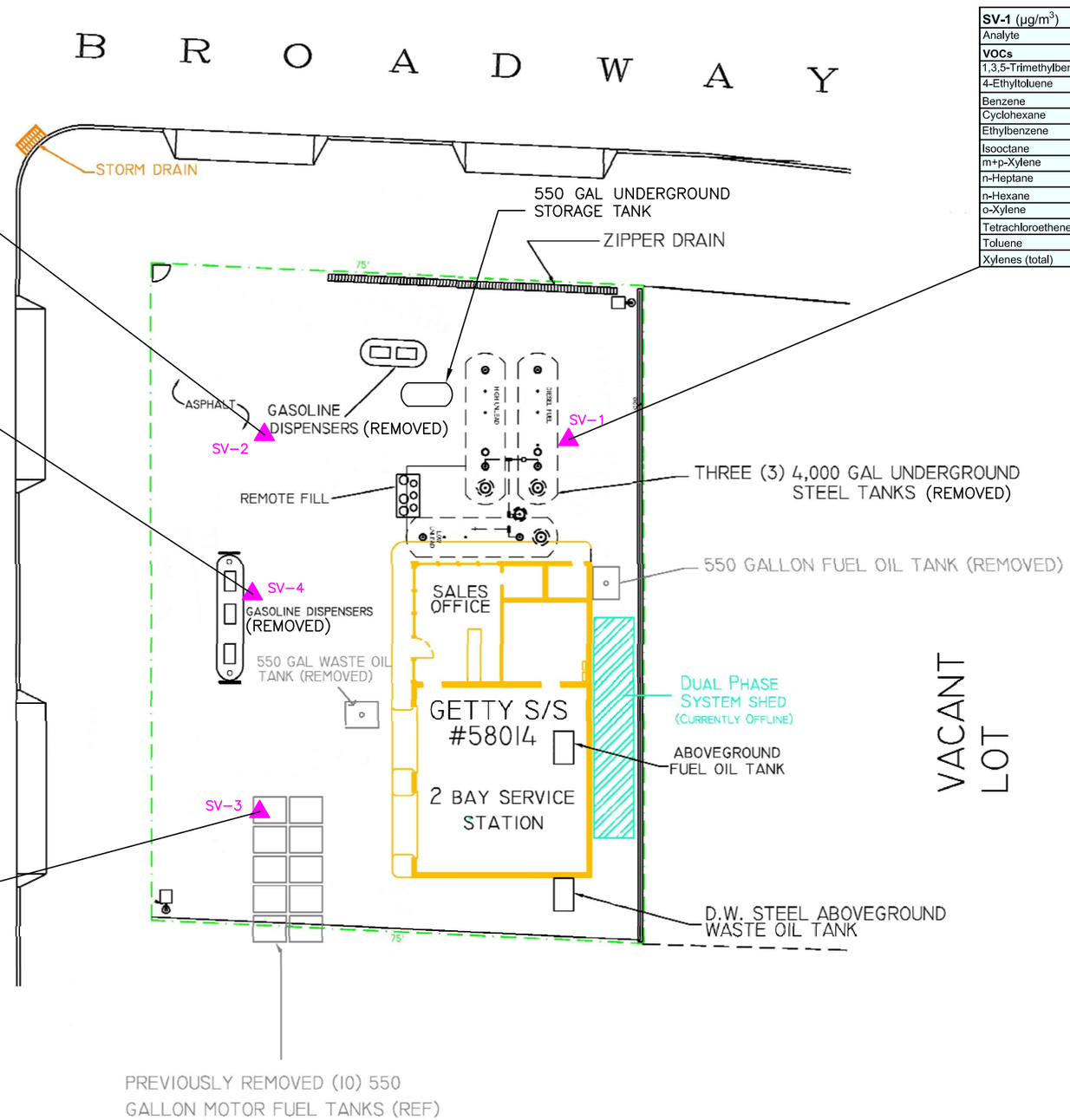
SV-2 (µg/m³)	7/18/12
Analyte	
VOCs	
Benzene	900
Cyclohexane	1800
Isooctane	40000
MTBE	2600
n-Heptane	990
n-Hexane	3000
Toluene	220
Trichloroethene	1100
Xylenes (total)	580

SV-1 (µg/m³)	7/18/12
Analyte	
VOCs	
1,3,5-Trimethylbenzene	230
4-Ethyltoluene	66
Benzene	49
Cyclohexane	32
Ethylbenzene	51
Isooctane	830
m+p-Xylene	160
n-Heptane	83
n-Hexane	89
o-Xylene	100
Tetrachloroethene	82
Toluene	470
Xylenes (total)	260

SV-4 (µg/m³)	7/18/12
Analyte	
VOCs	
1,3,5-Trimethylbenzene	24
4-Ethyltoluene	15
Benzene	4
Cyclohexane	3.9
Dichlorodifluoromethane	6.9
Ethylbenzene	17
Isooctane	54
m+p-Xylene	80
MTBE	64
n-Heptane	15
n-Hexane	12
o-Xylene	30
Tetrachloroethene	75
Toluene	26
Trichlorofluoromethane	1.6
Xylenes (total)	110

SV-3 (µg/m³)	7/18/12
Analyte	
VOCs	
1,1,1-Trichloroethane	10
1,3,5-Trimethylbenzene	190
4-Ethyltoluene	82
Benzene	63
Cyclohexane	13
Ethylbenzene	63
Isooctane	350
m+p-Xylene	350
n-Heptane	16
n-Hexane	19
o-Xylene	160
Tetrachloroethene	1400
Toluene	230
Xylenes (total)	520



N

LEGEND

PROPERTY LINE

SV-1 SOIL VAPOR LOCATION

NOTE

ALL SAMPLES COLLECTED JULY 17 & 18 2012.

SAMPLE DATE

SAMPLE ID

SV-1 (µg/m³)	7/18/12
Analyte	
VOCs	
1,3,5-Trimethylbenzene	230
4-Ethyltoluene	66

SAMPLE ANALYTE

SAMPLE CONCENTRATION IN µg/m³

µg/m³ -Micrograms per cubic meter
VOCs - Volatile Organic Compounds

20' 0 20'

Title:

SOIL VAPOR SAMPLE RESULTS

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 19OCT12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr: W.M.	Project: 1924.0005Y000	7
File: 1924.0005Y101.01R.DWG		

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APPENDICES

A. Previous Site Investigation Reports

B. Health and Safety Plan

C. Soil Boring Geologic Logs

D. Sampling Logs

E. Laboratory Data Deliverables for Soil, Groundwater, and Soil Vapor Analytical Data

APPENDIX A

Previous Site Investigation Reports

SUBSURFACE INVESTIGATION REPORT
Getty Service Station #58014
5510 Broadway Avenue
Bronx, New York
Spill number 93-11138

January 20, 2006

Prepared for:
Getty Properties Corporation
125 Jericho Tpke.
Jericho, New York 11753

Prepared By:
The Tyree Company
1 Northway Lane
Latham, New York 12110

1.0 INTRODUCTION
1.1 Authorization Page 1
1.2 Purpose Page 1
1.3 Scope of Work Page 1
1.4 Site Background Page 2

2.0 METHODS OF INVESTIGATION
2.1 Soil Borings Page 2
2.2 Soil Sampling Page 3
2.3 Monitoring Well Installation Page 3
2.4 Groundwater Monitoring and Well Sampling Page 3

3.0 FINDINGS
3.1 Geology and Soil Characteristics Page 4
3.2 Groundwater Occurrence Page 5
3.3 Soil Quality Page 5
3.4 Groundwater Quality Page 7

4.0 CONCLUSIONS Page 8

5.0 RECOMMENDATIONS Page 9

FIGURES
Figure 1 Site Location Map (USGS 15 Minute Series Topographic)
Figure 2 Site Plan Map with Soil Boring Locations
Figure 3 Surrounding Property Map

APPENDICES
Appendix A Soil Boring Logs
Appendix B Laboratory Analytical Results

TABLES
Table 1 Organic Vapor Headspace Analysis Log (PID Readings)
Table 2 Sample Analysis Summary (8260)
Table 3 Sample Analysis Summary (8270)
Table 4 Groundwater Analytical Results
Table 5 Depth to Water Measurements

1.0 INTRODUCTION

1.1 Authorization

During November 28 to November 29, 2005 a subsurface investigation was performed pursuant to the directive issued on September 8, 2005 from the New York State Department of Environmental Conservation (NYSDEC). The purpose of installing monitoring wells was to determine the extent of the contamination plume on and off the property.

1.2 Purpose

The purpose of this site investigation was to assess and investigate the subsurface conditions in the vicinity of the former gasoline-underground storage tanks (USTs) of the subject property known as 5510 Broadway, Bronx, New York.

1.3 Scope of Work

The scope of work included the following:

- Performed six (6) soil borings utilizing direct-push technology (Geoprobe ®) on the subject property and the property known as 5530 Broadway to assess soil and groundwater quality and subsurface lithology.

- Performed continuous soil sampling at each borehole and logged soil characteristics for each sample retrieved. Performed headspace analysis on each soil sample for total volatile organic compound (VOC) concentrations using a photo-ionization detector (PID).

- Submitted soil samples from each soil borings for analysis of petroleum contamination via EPA Method 8260 and EPA Method 8270.

- Collected groundwater samples from the borings, and submitted each sample for laboratory analysis via EPA Method 8260 and EPA Method 8270.

- Methods employed during the field investigation phase were performed in accordance with standard industry practice and with all applicable federal, state, and local guidelines and procedures.

1.4 Site Background

The Getty Service Station # 58014 is located at 5510 Broadway Avenue, Bronx, New York. The NYSDEC assigned spill number 93-11138 for this site. During May 1993, Giles Engineering Associates was retained by Taco Bell Corporation to conduct a Geotechnical Engineering Exploration and Limited Volatile Organic Compound (VOC) presence study at the Popeye's Restaurant (Popeye's) located at 5530 Broadway Avenue, Bronx, New York. Seven soil borings (B-1 through B-7) to depths ranging from 11 to 21 feet below grade. As part of this Limited VOC Presence Study soil borings and groundwater samples were collected for laboratory analysis. Elevated levels of BTEX were detected in the soil and water samples collected from boring B-6. Refer to the Limited Volatile Organic Carbons study prepared by Giles during May 1993, for complete details.

During December 1993, Unico Environmental Inc. (Unico) was retained by Quick Quality Restaurants Inc. to conduct a Subsurface Investigation at Popeye's. As part of the investigation, Unico installed three monitoring wells (UW-1 through UW-3) to depths ranging from 12.5 feet to 24 feet below grade. Soil boring and groundwater samples were collected for laboratory analysis. Elevated levels of aromatic hydrocarbons were detected in groundwater samples collected from monitoring wells UW-1 and UW-2. Refer to the Subsurface Investigation report prepared by Unico during December 1993, for complete details.

During July 1994, Tyree was retained by Getty to complete an environmental site investigation and report of Getty service station # 58014, 5510 Broadway, Bronx, New York. As part of the investigation Tyree installed three monitoring wells (MW-1 through MW-3) to depths of 20 feet below grade. Soil boring and groundwater samples were collected for laboratory analysis. Elevated levels of aromatic hydrocarbons were detected in the soil and groundwater samples collected from monitoring wells MW-1 through MW-3, UW-1 through UW-3, and MW-5, and MW-6. Refer to the Environmental Site Investigation Report, prepared by Tyree during October 1994, for complete details.

2.0 METHODS OF INVESTIGATION

2.1 Soil Borings

A total of 6 (six) soil borings were advanced across the subject properties. The purpose of the soil borings is to provide information relative to subsurface soil

and groundwater conditions from the historical property use. Refer to **Figure 2** for soil boring locations. The soil borings were advanced to the water table with final depths of 20 feet.

The soil borings were advanced using a macro core sampler driven by a pneumatic hammer. The sampler is equipped with a drive shoe and drive head and driven in 4.0-foot increments into the subsurface with the pneumatic hammer. The macro-core is lined with acetate sleeves that are replaced after each sample interval. After driving the sampler the length of the sampling interval, the core is retracted from the borehole, and the acetate liner removed. Immediately upon removal from the core, the soil is characterized for lithology, moisture content, and other characteristics in accordance with the modified Burmeister system. The acetate liner is opened, and the soil sample exposed for screening of total Volatile Organic Compounds (VOCs) using a photo-ionization detector (PID) using a 10.2 eV bulb. The soil description and the results of the PID screening for each soil boring were recorded on the soil boring log. Soil boring logs are included in **Appendix A.**

2.2 Soil Sampling

In each soil boring, a soil sample from a select interval was collected for laboratory analysis for volatile organic compounds (VOC) via EPA Method 8260 and semi-VOC via EPA Method 8270. The soil samples were selected from the intervals that exhibited the highest PID reading from the boring, or in the absence of PID readings, from the interval coincident with the capillary fringe. Refer to **Appendix B** for soil sample laboratory analytical reports.

2.3 Monitoring Well Installation

At each of the soil borings 2-inch diameter PVC monitoring wells were installed to assist in collecting groundwater quality samples. The wells were installed with 10 feet of screen from 10 to 20 feet, and solid riser to grade. The wells were purged of 3 well volumes by bailer method to ensure connection with the surrounding formation.

2.4 Groundwater Monitoring Well Sampling

Groundwater samples were collected from the site monitoring wells in accordance with NYSDEC quality assurance/quality control sampling guidelines. The monitoring wells were purged of three (3) well volumes prior to the collection of the samples. A dedicated disposable polyethylene bailer will be used to retrieve the required sample aliquot, which will then be placed into pre-labeled sample containers. The samples are preserved with ice to 4° C and shipped under chain-

of-custody protocols to the testing laboratory. The well known as MW-16 had product detected on the interface of the groundwater. The thickness level of the product was not measurable, and was observed and documented as a sheen. The PID meter screening results are present in the Organic Vapor Headspace Analysis Log enclosed in **Table 1.**.

Table 1.
PID Headspace Readings (ppm) from Soil Borings
November 28th & 29th, 2005

Boring Depth (ft.)	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16
10-15 ft.	N/D	N/D	164 ppm	98 ppm	2 ppm	104 ppm
15-20 ft.	3 ppm	18 ppm	114 ppm	108 ppm	97 ppm	168 ppm

3.0 FINDINGS

3.1 Geology and Soil Characteristics

The subject property lies primarily on a flat area located approximately 1,700 feet west of the Jerome Park Reservoir. The area lies within the New England Uplands Physiographic Province of New York State. The topography is primarily derived from the most recent recession of the most recent glacial period.

The bedrock geology of the area is reported as Inwood and dolomite marble, quartzite, overlain by calcite marble; grades into underlying patchy lowerre quartzite of early Cambrian age. Bedrock is generally exposed within one meter of the surface.. Subsurface soils on the project site, as determined by well borings MW-11 through MW-16, consist of a brown to gray coarse sandy loam to depths ranging from nine to 15 feet below grade, underlain by a gray fine sandy loam to a depth of 20 feet below existing grade.

The soils encountered at the subject property are consistent with the published geology for this area. Sand and various fill was encountered to a depth of 5 to 10 feet. The sand layer is saturated at approximately 11 feet, and static levels in the wells were approximately 11 feet below grade.

3.2 Groundwater Occurrence

The soil borings performed into the overburden soils revealed a depth of water at approximately 11 feet below grade. The capillary fringe was observed to be a foot thick and may indicate a slight fluctuating watertable. Evidence of an impact to groundwater from the USTs, such as petroleum sheen, separate phase liquid, or odors were observed in the subsurface (MW-16).

3.3 Soil Quality

Notable signs of petroleum impact (i.e. discoloration, discernable odors) were detected in the soil samples retrieved during the advancement of the soil borings. Field screening with the PID of the soil headspace from the samples collected from each of the soil borings showed elevated readings from 3 ppm to 168 ppm. Refer to the Soil Boring Logs in **Appendix A.** The soil depth intervals with the highest PID readings were those samples submitted for laboratory analysis. Laboratory analysis of the samples collected from soil borings MW-11 through MW-16 detected the presence of VOCs via EPA Method 8260 and Semi-VOCs via EPA Method 8270. Refer to **Table 2** and **Table 3** for sample analysis summary. The complete soil sample laboratory analytical reports are provided in **Appendix B.**

Table 2. Soil Analytical Summary (ppb)
EPA Method 8260 Plus MTBE
November 28th & 29th, 2005

Analyte	MW-11 15-20 ft	MW-12 15-20 ft	MW-13 10-15 ft	MW-14 15-20 ft	MW-15 15-20 ft	MW-16 15-20 ft	NYSDEC TAGM 4046 Guidelines
Benzene	ND	9	.88	ND	ND	ND	60
Toluene	ND	4.09	ND	ND	ND	ND	600
Ethylbenzene	ND	80.2	ND	ND	ND	ND	2,200
Xylenes	ND	305.6	ND	ND	ND	ND	480
Isopropylbenzene	ND	36.5	5.37	38	ND	ND	2,000
n-propylbenzene	ND	136	1.55	111	ND	ND	5,600
1,2,4-TMB	ND	558	ND	ND	ND	ND	5,180
1,3,5-TMB	ND	157	ND	ND	ND	ND	1,324
sec-butylbenzene	ND	21.8	10.6	24.2	ND	7.74	9,964
Tert-butylbenzene	ND	ND	.88	ND	ND	ND	4,400
4-isopropyltoluene	ND	166	ND	ND	ND	ND	4,400
n-butylbenzene	ND	59.9	ND	ND	ND	ND	7,048
Naphthalene	ND	70.2	ND	ND	ND	ND	5,200
MTBE	ND	ND	ND	ND	ND	ND	48

ND – Non Detect
Bold numbers indicate results that exceed TAGM guidelines

Table 3. Soil Analytical Summary (ppb)
EPA Method 8270 Plus MTBE
November 28th & 29th, 2005

Analyte	MW-11 15-20 ft	MW-12 15-20 ft	MW-13 10-15 ft	MW-14 15-20 ft	MW-15 15-20 ft	MW-16 5-10 ft	NYSDEC TAGM 4046 Guidelines
Naphthalene	ND	1540	ND	ND	ND	10500	13000
2-Methylnaphthalene	ND	1050	ND	ND	ND	5260	36400
Anthracene	ND	ND	ND	ND	ND	20300	50000
Acenaphthene	ND	ND	ND	ND	ND	11300	50000
Acenaphthylene	ND	ND	ND	ND	ND	2240	50000
Benzo(a)anthracene	ND	ND	ND	ND	ND	**36600**	224
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	**26400**	220
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	**27600**	220
Benzo(g,h,I)perylene	ND	ND	ND	ND	ND	17500	50000
Benzo(a)pyrene	ND	ND	ND	ND	ND	**31100**	61
Chrysene	ND	ND	ND	ND	ND	**32000**	400
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	**6730**	14.3
Fluoranthene	ND	ND	43	ND	ND	**80400**	50000
Fluorene	ND	ND	ND	24.6	ND	13900	50000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	**17400**	3200
Phenanthrene	ND	41.7	ND	33.3	ND	**74400**	50000
Pyrene	ND	ND	44	ND	ND	**66000**	50000

ND – Non Detect
Bold numbers indicate results that exceed TAGM guidelines

3.4 Groundwater Quality

- The well known as MW-16 had product detected on the interface of the groundwater. The thickness level of the product was not measurable, and was observed and documented as a sheen. The groundwater samples collected demonstrated between non-detect to 6,137.8 ppb BTEX in the groundwater. MTBE was reported between the ranges of non-detect to 38.9 ppb in the groundwater (**see Table 4**). The complete groundwater sample laboratory analytical reports are provided in **Appendix B**. Refer to **Table 5** for depth to water measurements.

Table 4. Groundwater Analytical Results (ppb)
EPA Method 8260 plus MTBE
November 28th & 29th, 2005

Analyte	MW11	MW12	MW13	MW14	MW-15	NYSDEC Groundwater Standards
Benzene	ND	**208**	**13.7**	ND	ND	0.7
Toluene	ND	**96.8**	.60	ND	ND	5
Ethylbenzene	ND	**1,080**	ND	ND	ND	5
Xylenes	ND	**4,752**	1.68	ND	ND	5
Total BTEX	ND	6,136.8	15.98	ND	ND	-
Isopropylbenzene	ND	**127**	**31.0**	**39.0**	ND	5
n-propylbenzene	ND	**386**	**16.8**	**118**	ND	5
1,2,4-TMB	ND	**4,410**	1.8	ND	ND	5
1,3,5-TMB	ND	**1,080**	ND	ND	ND	5
Sec-butylbenzene	ND	**35.6**	**17.6**	**28.1**	ND	5
Tert-butylbenzene	ND	ND	2.99	ND	ND	5
4-Isopropyltoluene	ND	**165**	ND	ND	ND	5
n-butylbenzene	ND	**110**	ND	**10.3**	ND	5
Naphthalene	ND	**512**	ND	ND	ND	10
MTBE	ND	**38.9**	6.4	ND	ND	10

ND – Non-Detect
NS – No Sample Collected
Bold numbers indicate results that exceed NYSDEC groundwater standards

Table 5.
Depth to Water Measurements
November 28th & 29th, 2005

Well ID	Depth to Water (ft.)	Total Well Depth (ft.)	Screened Interval (ft bgs)
MW-11	13.15	20.0	10-20
MW-12	13.21	20.0	10-20
MW-13	13.05	20.0	10-20
MW-14	11.5	20.0	10-20
MW-15	11.08	20.0	10-20
*MW-16	11.0	20.0	10-20

*Sheen detected on the groundwater interface

4.0 CONCLUSIONS

The Subsurface Investigation has yielded the following information:

- The current subsurface soil conditions indicate low concentrations of petroleum compounds on the 5510 Broadway property, although on the 5530 Broadway property there are elevated concentrations encountered in accordance with TAGM 4046 guidelines. The samples collected from monitoring wells MW-11, MW-12, MW-13, MW-14, and MW-15 the concentrations did not exceed the New York State Department of Environmental Conservation TAGM 4046 Recommended Soil Cleanup Objective values. The lab analysis collected from MW-16 revealed many compounds, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene exceeding NYSDEC TAGM 4046 Recommended Soil Cleanup Objective values. See **Table 3** in section 3.3, Soil Quality, for soil sample summary.

- The subsurface groundwater conditions indicate elevated concentrations of petroleum compounds detected on both the 5510 Broadway property, as well as on the 5530 Broadway property according to TAGM 4046 guidelines. MW-16 had product detected on the interface of the groundwater and was not sampled. The sample collected from MW-11 did not exceed groundwater standards. While MW-12, MW-13, MW-14, and MW-15 all revealed compounds that exceed NYSDEC Groundwater standards (refer to **Table 4**).

- Sand and various fill was encountered to a depth of 5 to 10 feet. The sand layer is saturated at approximately 11 feet, underlain by loose gravel.

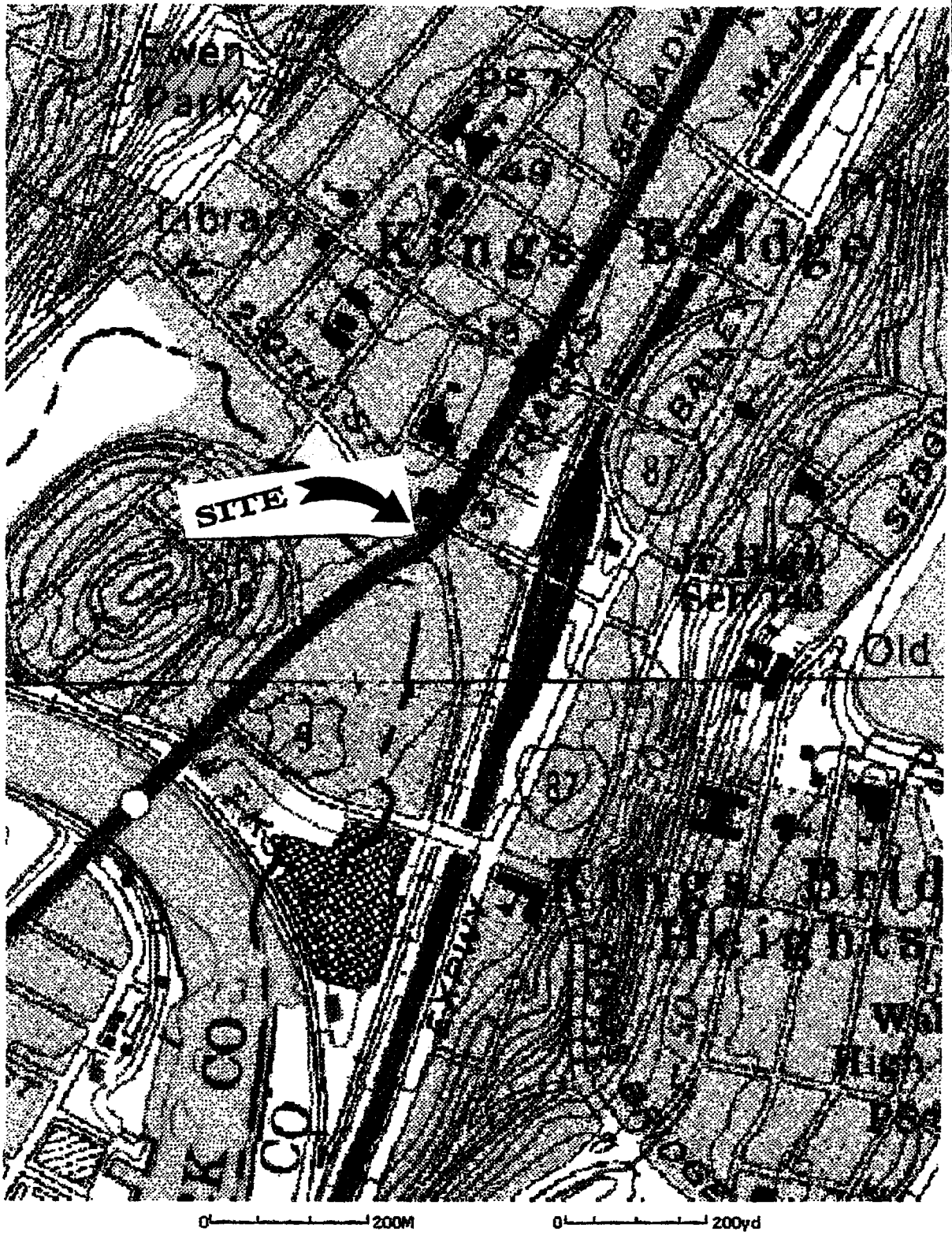
5.0 RECOMMENDATIONS

The following recommendations are provided:

- MW-16 will be tied into the DPVES and used as one of the vapor recovery wells.
- Reduce the vacuum in MW-1, MW-3, MW-5, and MW-10 to allow greater vacuum at extraction wells MW-2, MW-6, MW-7, MW-8, and MW-16.
- MW-2 will have increased vacuum to provide influence at MW-14; MW-12 will be influenced by the increase in vacuum at MW-6 and MW-8.
- Continuing with quarterly monitoring and sampling of the monitoring wells will provide sufficient data collection to verify the groundwater conditions and the effectiveness of the existing DPVES on the 5510 Broadway property.

FIGURE 1

SITE LOCATION MAP



Tyree Organization Ltd. Latham, New York	SITE LOCATION MAP 5510 Broadway Avenue Bronx, New York	Figure 1 Scale: Not to Scale

FIGURE 2

SITE PLAN MAP WITH SOIL BORING LOCATIONS

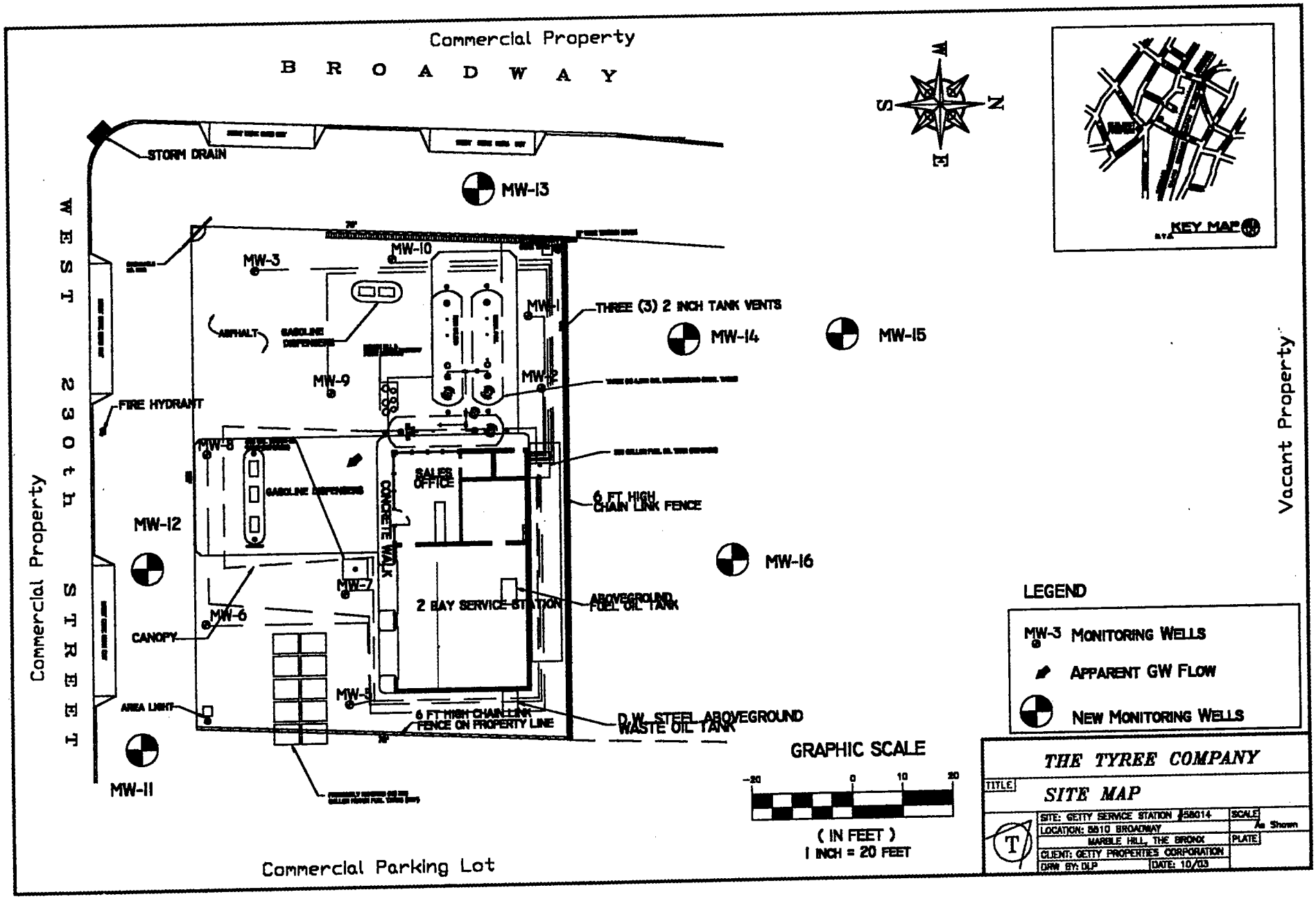
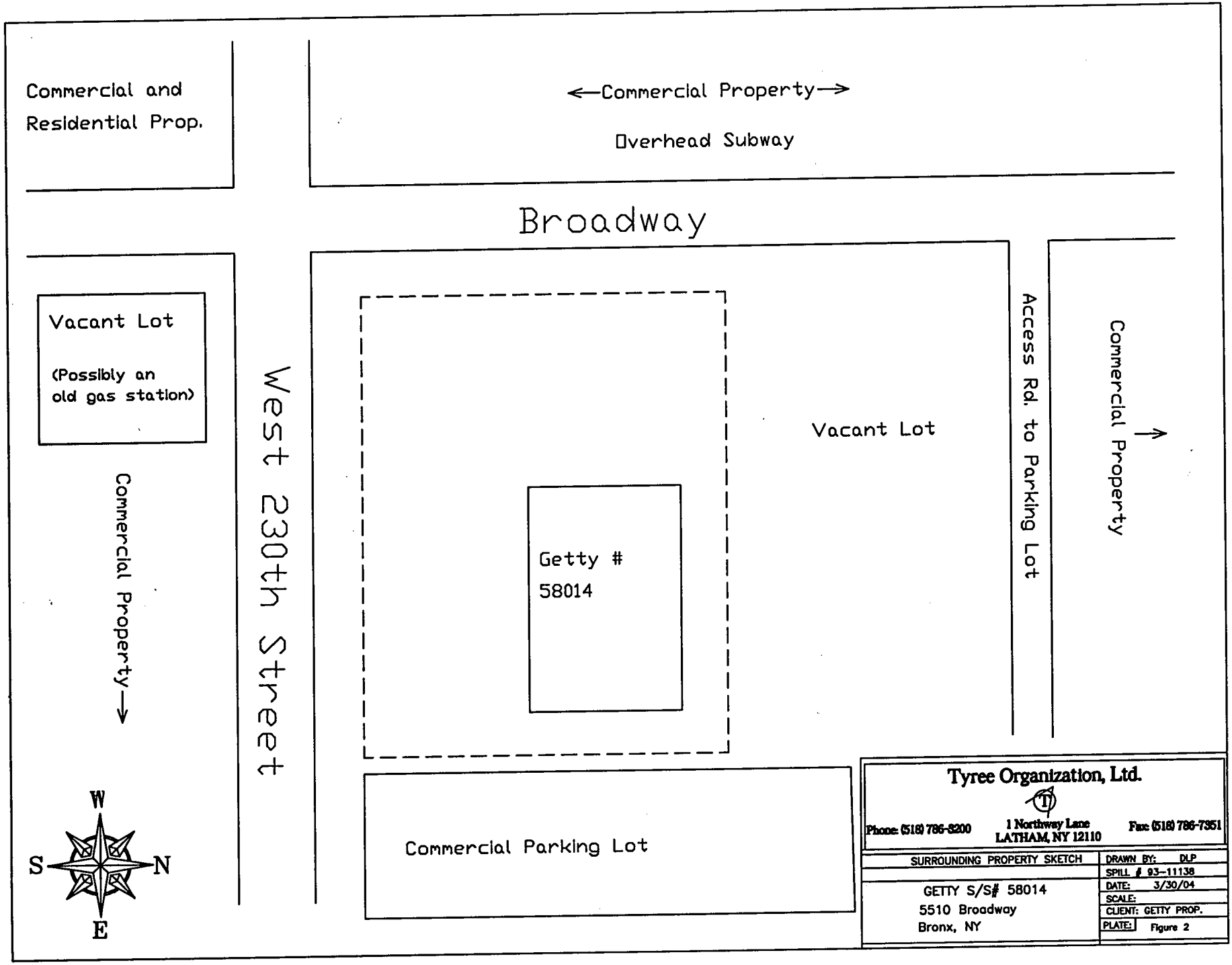

Commercial Property
B R O A D W A Y
STORM DRAIN
MW-13
MW-3
MW-10
MW-1
THREE (3) 2 INCH TANK VENTS
MW-14
MW-15
ASPHALT
GASOLINE DISPENSERS
MW-9
MW-2
FIRE HYDRANT
MW-8
GASOLINE DISPENSERS
SALES OFFICE
CONCRETE WALK
6 FT HIGH CHAIN LINK FENCE
MW-12
MW-16
MW-7
2 BAY SERVICE STATION
ABOVEGROUND FUEL OIL TANK
MW-6
CANOPY
MW-5
AREA LIGHT
6 FT HIGH CHAIN LINK FENCE ON PROPERTY LINE
D.W. STEEL ABOVEGROUND WASTE OIL TANK
MW-11
Commercial Property
W E S T 2 3 0 t h S T R E E T
Vacant Property
Commercial Parking Lot
W
S
N
E
KEY MAP
LEGEND
MW-3 MONITORING WELLS
APPARENT GW FLOW
NEW MONITORING WELLS
GRAPHIC SCALE
-20
0
10
20
(IN FEET)
1 INCH = 20 FEET
THE TYREE COMPANY
TITLE
SITE MAP
SITE: GETTY SERVICE STATION #58014
LOCATION: 5810 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03
SCALE
As Shown
PLATE

FIGURE 3

SURROUNDING PROPERTIES MAP


Commercial and Residential Prop.
←Commercial Property→
Overhead Subway
Broadway
Vacant Lot
(Possibly an old gas station)
West 230th Street
Commercial Property→
Getty # 58014
Vacant Lot
Access Rd. to Parking Lot
Commercial Property →
Commercial Parking Lot
W
S
N
E
Tyree Organization, Ltd.
Phone: (518) 786-8200
1 Northway Lane
LATHAM, NY 12110
Fax: (518) 786-7351
SURROUNDING PROPERTY SKETCH
GETTY S/S# 58014
5510 Broadway
Bronx, NY
DRAWN BY: DLP
SPILL # 93-11138
DATE: 3/30/04
SCALE:
CLIENT: GETTY PROP.
PLATE: Figure 2

APPENDIX A

SOIL BORING LOGS

THE TYREE COMPANY

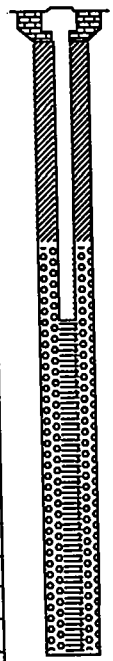
BORING/WELL LOG

BORING/WELL NO. MW-11

CLIENT: Getty Realty Corporation
PROJECT: Getty Service Station #58014
LOCATION: 5510 Broadway, Bronx, New York

DATE STARTED: November 28, 2005
DATE COMPLETED: November 28, 2005
DRILLER: Geosearch Environmental
LOGGED BY: Kristen Discenzo

Depth Below Grade	P.I.D. Reading (ppm)	Blow Counts	Field Description of Soil
0			Asphalt and road base 0 – 6 inches
5	N/A		
			Gravel/Concrete
10	N/A		Dark brown, SM, coarse grained
			groundwater table
15	N/D		Olive/grey – medium/fine grained
20	3 ppm		
25			
30			
35			



BORE HOLE DATA

Drilling Method: Geoprobe Unit
Hole Dia.: 2"
Depth: 20' below grade

WELL DATA

Riser Type: PVC
Riser Dia.: 2 inch
Riser Length: 10 feet
Interval: 0 – 10 feet

Screen Type: PVC
Screen Dia.: 2 inch
Screen Length: 10 feet
Slot: 0.10 inch
Interval: 10–20 feet

FILTER PACK

Source: Morie Company
Composition: #0 Silica
Volume Used: 70 lbs
Interval: 7'–20'

GROUT / SEAL

Type: Bentonite/Portland
Volume Used: 50 lbs/150 lbs
Interval: .5'–7'

WELL HEAD COMPLETION

Manhole: [X] YES [ ] NO
Size:
Concrete Pad: [X] YES [ ] NO
Size:

WELL DEVELOPMENT

Performed: [X] YES [ ] NO
Method: Disposable Bailer
Duration: 3 well volumes
Date: November 29, 2005

LEGEND

concrete
native soil
bentonite seal
well sand
solid PVC
slotted PVC

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
course sand=0.5–1mm
very course sand=1–2mm

pebble=2–4mm
gravel=4–64mm
cobble=64–256mm
boulder=256mm
groundwater table

THE TYREE COMPANY

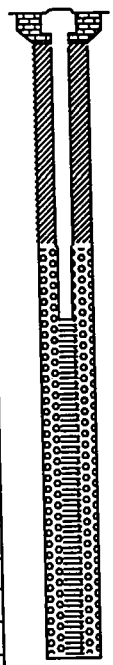
BORING/WELL LOG

BORING/WELL NO. MW-12

CLIENT: Getty Realty Corporation
PROJECT: Getty Service Station #58014
LOCATION: 5510 Broadway, Bronx, New York

DATE STARTED: November 28, 2005
DATE COMPLETED: November 28, 2005
DRILLER: Geosearch Environmental
LOGGED BY: Kristen Discenzo

Depth Below Grade	P.I.D. Reading (ppm)	Blow Counts	Field Description of Soil
0			Asphalt, brick, gravel 0 – 6 inches
5	N/A		Gravel/Concrete
10	N/A		Gravel, coarse grained sands
			groundwater table
15	N/A		light brown fine grained sand
20	18 ppm		
25			
30			
35			



BORE HOLE DATA

Drilling Method: Geoprobe Unit
Hole Dia.: 2"
Depth: 20' below grade

WELL DATA

Riser
Type: PVC
Riser Dia.: 2 inch
Riser Length: 10 feet
Interval: 0 – 10 feet

Screen
Type: PVC
Screen Dia.: 2 inch
Screen Length: 10 feet
Slot: 0.10 inch
Interval: 10–20 feet

FILTER PACK

Source: Morie Company
Composition: #0 Silica
Volume Used: 70 lbs
Interval: 7'–20'

GROUT / SEAL

Type: Bentonite/Portland
Volume Used: 50 lbs/150 lbs
Interval: .5'–7'

WELL HEAD COMPLETION

Manhole: [X] YES [ ] NO
Size:
Concrete Pad: [X] YES [ ] NO
Size:

WELL DEVELOPMENT

Performed: [X] YES [ ] NO
Method: Disposable Bailer
Duration: 3 well volumes
Date: November 29, 2005

LEGEND

concrete
native soil
bentonite seal
well sand
solid PVC
slotted PVC

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
course sand=0.5–1mm
very course sand=1–2mm

pebble=2–4mm
gravel=4–64mm
cobble=64–256mm
boulder=256mm
groundwater table

THE TYREE COMPANY

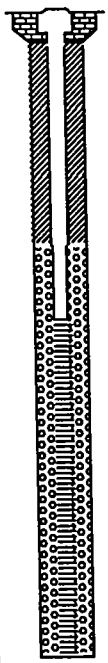
BORING/WELL LOG

BORING/WELL NO. MW-13

CLIENT: Getty Realty Corporation
PROJECT: Getty Service Station #58014
LOCATION: 5510 Broadway, Bronx, New York

DATE STARTED: November 28, 2005
DATE COMPLETED: November 28, 2005
DRILLER: Geosearch Environmental
LOGGED BY: Kristen Discenzo

Depth Below Grade	P.I.D. Reading (ppm)	Blow Counts	Field Description of Soil
0			Coarse grained sand – loosly packed
5	N/A		
			Olive green/grey, fine coarsed
10	N/D		
	164 ppm		Dark grey, fine coarsed
			groundwater table
15			
			Dark grey, fine coarsed
20	114 ppm		
25			
30			
35			



BORE HOLE DATA

Drilling Method: Geoprobe Unit
Hole Dia.: 2"
Depth: 20' below grade

WELL DATA

Riser
Type: PVC
Riser Dia.: 2 inch
Riser Length: 10 feet
Interval: 0 – 10 feet

Screen
Type: PVC
Screen Dia.: 2 inch
Screen Length: 10 feet
Slot: 0.10 inch
Interval: 10–20 feet

FILTER PACK

Source: Morie Company
Composition: #0 Silica
Volume Used: 70 lbs
Interval: 7'–20'

GROUT / SEAL

Type: Bentonite/Portland
Volume Used: 50 lbs/150 lbs
Interval: .5'–7'

WELL HEAD COMPLETION

Manhole: [X] YES [ ] NO
Size:
Concrete Pad: [X] YES [ ] NO
Size:

WELL DEVELOPMENT

Performed: [X] YES [ ] NO
Method: Disposable Bailer
Duration: 3 well volumes
Date: November 29, 2005

LEGEND

concrete
native soil
bentonite seal
well sand
solid PVC
slotted PVC

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
course sand=0.5–1mm
very course sand=1–2mm

pebble=2–4mm
gravel=4–64mm
cobble=64–256mm
boulder=256mm
groundwater table

THE TYREE COMPANY

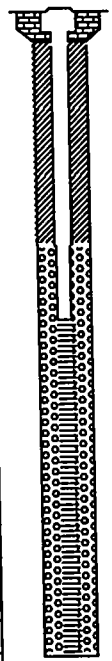
BORING/WELL LOG

BORING/WELL NO. MW-14

CLIENT: Getty Realty Corporation
PROJECT: Getty Service Station #58014
LOCATION: 5510 Broadway, Bronx, New York

DATE STARTED: November 29, 2005
DATE COMPLETED: November 29, 2005
DRILLER: Geosearch Environmental
LOGGED BY: Kristen Discenzo

Depth Below Grade	P.I.D. Reading (ppm)	Blow Counts	Well Completion	Field Description of Soil
0				Dark brown, loosely packed, coarse/medium grained
5	N/A			Dark brown, loosely packed, coarse/medium grained
10	N/D			groundwater table Dark brown/olive green, fine grained
15	98 ppm			Light gray, fine coarsed
20	108 ppm			
25				
30				
35				



BORE HOLE DATA

Drilling Method: Geoprobe Unit
Hole Dia.: 2"
Depth: 20' below grade

WELL DATA

Riser
Type: PVC
Riser Dia.: 2 inch
Riser Length: 10 feet
Interval: 0 – 10 feet

Screen
Type: PVC
Screen Dia.: 2 inch
Screen Length: 10 feet
Slot: 0.10 inch
Interval: 10–20 feet

FILTER PACK

Source: Morie Company
Composition: #0 Silica
Volume Used: 70 lbs
Interval: 7'–20'

GROUT / SEAL

Type: Bentonite/Portland
Volume Used: 50 lbs/150 lbs
Interval: .5'–7'

WELL HEAD COMPLETION

Manhole: [X] YES [ ] NO
Size:
Concrete Pad: [X] YES [ ] NO
Size:

WELL DEVELOPMENT

Performed: [X] YES [ ] NO
Method: Disposable Bailer
Duration: 3 well volumes
Date: November 29, 2005

LEGEND

concrete
native soil
bentonite seal
well sand
solid PVC
slotted PVC

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
course sand=0.5–1mm
very course sand=1–2mm

pebble=2–4mm
gravel=4–64mm
cobble=64–256mm
boulder=256mm
groundwater table

THE TYREE COMPANY

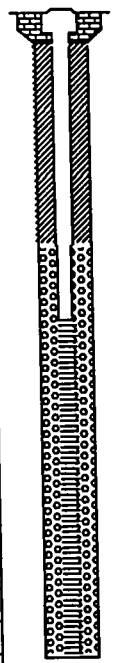
BORING/WELL LOG

BORING/WELL NO. MW-15

CLIENT: Getty Realty Corporation
PROJECT: Getty Service Station #58014
LOCATION: 5510 Broadway, Bronx, New York

DATE STARTED: November 29, 2005
DATE COMPLETED: November 29, 2005
DRILLER: Geosearch Environmental
LOGGED BY: Kristen Discenzo

Depth Below Grade	P.I.D. Reading (ppm)	Blow Counts	Well Completion	Field Description of Soil
0				Dark brown, loosely packed, coarse grained
5	N/A			Rock, brick, refusal
10	N/A			groundwater table
	2 ppm			Dark brown, loosely packed coarse grained
15				Dark grey, fine grained
20	97 ppm			
25				
30				
35				



BORE HOLE DATA

Drilling Method: Geoprobe Unit
Hole Dia.: 2"
Depth: 20' below grade

WELL DATA

Riser
Type: PVC
Riser Dia.: 2 inch
Riser Length: 10 feet
Interval: 0 – 10 feet

Screen
Type: PVC
Screen Dia.: 2 inch
Screen Length: 10 feet
Slot: 0.10 inch
Interval: 10–20 feet

FILTER PACK

Source: Morie Company
Composition: #0 Silica
Volume Used: 70 lbs
Interval: 7'–20'

GROUT / SEAL

Type: Bentonite/Portland
Volume Used: 50 lbs/150 lbs
Interval: .5'–7'

WELL HEAD COMPLETION

Manhole: [X] YES [ ] NO
Size:
Concrete Pad: [X] YES [ ] NO
Size:

WELL DEVELOPMENT

Performed: [X] YES [ ] NO
Method: Disposable Bailer
Duration: 3 well volumes
Date: November 29, 2005

LEGEND

concrete
native soil
bentonite seal
well sand
solid PVC
slotted PVC

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
course sand=0.5–1mm
very course sand=1–2mm

pebble=2–4mm
gravel=4–64mm
cobble=64–256mm
boulder=256mm
groundwater table

THE TYREE COMPANY

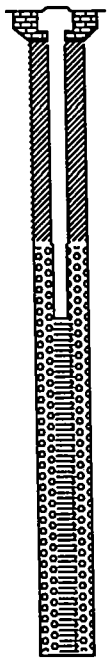
BORING/WELL LOG

BORING/WELL NO. MW-16

CLIENT: Getty Realty Corporation
PROJECT: Getty Service Station #58014
LOCATION: 5510 Broadway, Bronx, New York

DATE STARTED: November 29, 2005
DATE COMPLETED: November 29, 2005
DRILLER: Geosearch Environmental
LOGGED BY: Kristen Discenzo

Depth Below Grade	P.I.D. Reading (ppm)	Blow Counts	Well Completion	Field Description of Soil
0				Light/dark brown, coarse grained, loosely packed
5	N/A			Dark brown/black rock, gravel, loosely packed, coarse grained
10	9 ppm			groundwater table
	104 ppm			Fine grained, black coarse grained
15				
20	168 ppm			Fine grained, black
25				
30				
35				



BORE HOLE DATA

Drilling Method: Geoprobe Unit
Hole Dia.: 2"
Depth: 20' below grade

WELL DATA

Riser
Type: PVC
Riser Dia.: 2 inch
Riser Length: 10 feet
Interval: 0 – 10 feet

Screen
Type: PVC
Screen Dia.: 2 inch
Screen Length: 10 feet
Slot: 0.10 inch
Interval: 10–20 feet

FILTER PACK

Source: Morie Company
Composition: #0 Silica
Volume Used: 70 lbs
Interval: 7'–20'

GROUT / SEAL

Type: Bentonite/Portland
Volume Used: 50 lbs/150 lbs
Interval: .5'–7'

WELL HEAD COMPLETION

Manhole: [X] YES [ ] NO
Size:
Concrete Pad: [X] YES [ ] NO
Size:

WELL DEVELOPMENT

Performed: [X] YES [ ] NO
Method: Disposable Bailer
Duration: 3 well volumes
Date: November 29, 2005

LEGEND

concrete
native soil
bentonite seal
well sand
solid PVC
slotted PVC

trace=1–10%
little=10–20%
some=20–30%
and=30–50%

very fine sand=0.6–0.13mm
fine sand=0.13–0.25mm
medium sand=0.25–0.50mm
course sand=0.5–1mm
very course sand=1–2mm

pebble=2–4mm
gravel=4–64mm
cobble=64–256mm
boulder=256mm
groundwater table

APPENDIX B

LABORATORY ANALYTICAL RESULTS

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Laboratory Identifier: 0511545

Custody Document: N1610
Received: 11/29/2005 15:43
Sampled by: Kristen DiScenza
Job Number: 857851

Client: Tyree Organization (Dept 20)

1 Northway Lane
Latham,
NY 12110

Project: Getty #58014

5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Scott Cunningham

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 12:00
% Solid: 91.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1924-4177	0.29	0.29	ppb	U
75-45-6	Chlorodifluoromethane	B1924-4177	0.53	0.53	ppb	U
74-87-3	Chloromethane	B1924-4177	0.90	0.90	ppb	U
75-01-4	Vinyl Chloride	B1924-4177	0.53	0.53	ppb	U
74-83-9	Bromomethane	B1924-4177	0.34	0.34	ppb	U
75-00-3	Chloroethane	B1924-4177	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	B1924-4177	0.46	0.46	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1924-4177	0.39	0.39	ppb	U
75-35-4	1,1-Dichloroethene	B1924-4177	0.63	0.63	ppb	U
67-64-1	Acetone	B1924-4177	5.94	**12.1**	ppb	Y
75-15-0	Carbon disulfide	B1924-4177	0.43	**0.67**	ppb	Y
75-09-2	Methylene Chloride	B1924-4177	0.57	**2.78**	ppb	Y
156-60-5	t-1,2-Dichloroethene	B1924-4177	0.56	0.56	ppb	U
1634-04-4	Methyl t-butyl ether	B1924-4177	0.90	0.90	ppb	U
75-34-3	1,1-Dichloroethane	B1924-4177	0.45	0.45	ppb	U
590-20-7	2,2-Dichloropropane	B1924-4177	0.37	0.37	ppb	U
156-59-2	c-1,2-Dichloroethene	B1924-4177	0.59	0.59	ppb	U
78-93-3	2-Butanone	B1924-4177	5.20	5.20	ppb	U
74-97-5	Bromochloromethane	B1924-4177	0.62	0.62	ppb	U
67-66-3	Chloroform	B1924-4177	0.39	0.39	ppb	U
71-55-6	1,1,1-Trichloroethane	B1924-4177	0.52	0.52	ppb	U
56-23-5	Carbon Tetrachloride	B1924-4177	0.60	0.60	ppb	U
563-58-6	1,1-Dichloropropene	B1924-4177	0.56	0.56	ppb	U
71-43-2	Benzene	B1924-4177	0.53	0.53	ppb	U
107-06-2	1,2-Dichloroethane	B1924-4177	0.49	0.49	ppb	U
79-01-6	Trichloroethene	B1924-4177	0.51	0.51	ppb	U
78-87-5	1,2-Dichloropropane	B1924-4177	0.43	0.43	ppb	U
74-95-3	Dibromomethane	B1924-4177	0.73	0.73	ppb	U
75-27-4	Bromodichloromethane	B1924-4177	0.45	0.45	ppb	U
110-75-8	2-Chloroethylvinylether	B1924-4177	2.35	2.35	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1924-4177	0.48	0.48	ppb	U
108-10-1	4-Methyl-2-pentanone	B1924-4177	5.05	5.05	ppb	U
108-88-3	Toluene	B1924-4177	0.51	**2.55**	ppb	Y
10061-02-6	t-1,3-Dichloropropene	B1924-4177	0.46	0.46	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 12:00
% Solid: 91.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1924-4177	0.47	0.47	ppb	U
127-18-4	Tetrachloroethene	B1924-4177	0.97	0.97	ppb	U
142-28-9	1,3-Dichloropropane	B1924-4177	0.66	0.66	ppb	U
591-78-6	2-Hexanone	B1924-4177	4.86	4.86	ppb	U
124-48-1	Dibromochloromethane	B1924-4177	0.58	0.58	ppb	U
106-93-4	1,2-Dibromoethane	B1924-4177	0.47	0.47	ppb	U
108-90-7	Chlorobenzene	B1924-4177	0.46	0.46	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1924-4177	0.48	0.48	ppb	U
100-41-4	Ethylbenzene	B1924-4177	0.26	**6.94**	ppb	
108-38-3	m,p-xylene	B1924-4177	0.90	**44.6**	ppb	
95-47-6	o-xylene	B1924-4177	0.46	**13.3**	ppb	
100-42-5	Styrene	B1924-4177	0.47	0.47	ppb	U
75-25-2	Bromoform	B1924-4177	0.75	0.75	ppb	U
98-82-8	Isopropylbenzene	B1924-4177	0.37	**4.23**	ppb	Y
108-86-1	Bromobenzene	B1924-4177	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1924-4177	0.68	0.68	ppb	U
103-65-1	n-Propylbenzene	B1924-4177	0.37	**8.98**	ppb	
96-18-4	1,2,3-Trichloropropane	B1924-4177	1.46	1.46	ppb	U
622-96-8	p-Ethyltoluene	B1927-4240	1.53	**198**	ppb	
108-67-8	1,3,5-Trimethylbenzene	B1924-4177	0.62	**144**	ppb	
95-49-8	2-Chlorotoluene	B1924-4177	0.37	0.37	ppb	U
106-43-4	4-Chlorotoluene	B1924-4177	0.38	0.38	ppb	U
98-06-6	tert-Butylbenzene	B1924-4177	0.31	0.31	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1927-4240	3.43	**216**	ppb	
135-98-8	sec-Butylbenzene	B1924-4177	0.35	**7.91**	ppb	
99-87-6	4-Isopropyltoluene	B1924-4177	0.45	**33.4**	ppb	
541-73-1	1,3-Dichlorobenzene	B1924-4177	0.38	0.38	ppb	U
106-46-7	1,4-Dichlorobenzene	B1924-4177	0.38	0.38	ppb	U
95-50-1	1,2-Dichlorobenzene	B1924-4177	0.43	0.43	ppb	U
105-05-5	p-Diethylbenzene	B1924-4177	0.61	0.61	ppb	U
104-51-8	n-Butylbenzene	B1924-4177	0.71	**23.6**	ppb	
95-93-2	1,2,4,5-Tetramethylbenzene	B1924-4177	0.72	**56.0**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	B1924-4177	1.43	1.43	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1924-4177	0.94	0.94	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry) Collected: 11/28/2005 12:00
Matrix: Soil Type: Composite % Solid: 91.7%
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1924-4177	0.35	0.35	ppb	U
91-20-3	Naphthalene	B1924-4177	1.05	**11.7**	ppb	
87-61-6	1,2,3-Trichlorobenzene	B1924-4177	0.89	0.89	ppb	U
994-05-8	TAME	B1924-4177	0.51	0.51	ppb	U
75-65-0	Tertiary butyl alcohol	B1924-4177	12.5	12.5	ppb	U
107-13-1	Acrylonitrile	B1924-4177	4.40	4.40	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4177	96.0 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4177	95.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4177	95.7 %	(80 - 121)	
460-00-4	4-BROMOFLUOROBENZENE	B1927-4240	97.3 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1927-4240	97.2 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1927-4240	102.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry)
Matrix: Soil
Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005
Collected: 11/28/2005 12:00
% Solid: 91.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1924-4177	0.90	0.90	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4177	96.0 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4177	95.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4177	95.7 %	(80 - 121)	

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Type: Composite
Remarks: See Case Narrative
Analyzed Date: 12/05/2005
Collected: 11/28/2005 12:10
% Solid: 76%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1927-4241	5.46	5.46	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1927-4241	101.0 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1927-4241	95.9 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1927-4241	101.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry) Collected: 11/28/2005 12:00
Matrix: Soil Type: Composite % Solid: 91.7%
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	A1433-8011	422	422	ppb	U
111-44-4	bis(2-Chloroethyl)ether	A1433-8011	87.2	87.2	ppb	U
95-57-8	2-Chlorophenol	A1433-8011	83.9	83.9	ppb	U
541-73-1	1,3-Dichlorobenzene	A1433-8011	79.6	79.6	ppb	U
106-46-7	1,4-Dichlorobenzene	A1433-8011	80.7	80.7	ppb	U
100-51-6	Benzyl alcohol	A1433-8011	97.0	97.0	ppb	U
95-50-1	1,2-Dichlorobenzene	A1433-8011	73.0	73.0	ppb	U
95-48-7	2-Methylphenol	A1433-8011	107	107	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	A1433-8011	73.0	73.0	ppb	U
106-44-5	3+4-Methylphenol	A1433-8011	85.0	85.0	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	A1433-8011	62.1	62.1	ppb	U
67-72-1	Hexachloroethane	A1433-8011	66.5	66.5	ppb	U
98-95-3	Nitrobenzene	A1433-8011	95.9	95.9	ppb	U
78-59-1	Isophorone	A1433-8011	79.6	79.6	ppb	U
88-75-5	2-Nitrophenol	A1433-8011	52.3	52.3	ppb	U
105-67-9	2,4-Dimethylphenol	A1433-8011	75.2	75.2	ppb	U
65-85-0	Benzoic acid	A1433-8011	741	741	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	A1433-8011	78.5	78.5	ppb	U
120-83-2	2,4-Dichlorophenol	A1433-8011	76.3	76.3	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A1433-8011	82.8	82.8	ppb	U
91-20-3	Naphthalene	A1433-8011	89.4	**83.7**	ppb	J
106-47-8	4-Chloroaniline	A1433-8011	88.3	88.3	ppb	U
87-68-3	Hexachlorobutadiene	A1433-8011	82.8	82.8	ppb	U
59-50-7	4-Chloro-3-methylphenol	A1433-8011	79.6	79.6	ppb	U
91-57-6	2-Methylnaphthalene	A1433-8011	93.7	**91.9**	ppb	J
77-47-4	Hexachlorocyclopentadiene	A1433-8011	518	518	ppb	U
88-06-2	2,4,6-Trichlorophenol	A1433-8011	78.5	78.5	ppb	U
95-95-4	2,4,5-Trichlorophenol	A1433-8011	104	104	ppb	U
91-58-7	2-Chloronaphthalene	A1433-8011	90.5	90.5	ppb	U
88-74-4	2-Nitroaniline	A1433-8011	100	100	ppb	U
131-11-3	Dimethyl phthalate	A1433-8011	91.6	91.6	ppb	U
208-96-8	Acenaphthylene	A1433-8011	88.3	88.3	ppb	U
606-20-2	2,6-Dinitrotoluene	A1433-8011	67.6	67.6	ppb	U
99-09-2	3-Nitroaniline	A1433-8011	100	100	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Collected: 11/28/2005 12:00
% Solid: 91.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	A1433-8011	91.6	91.6	ppb	U
51-28-5	2,4-Dinitrophenol	A1433-8011	3640	3640	ppb	U
100-02-7	4-Nitrophenol	A1433-8011	637	637	ppb	U
132-64-9	Dibenzofuran	A1433-8011	86.1	86.1	ppb	U
121-14-2	2,4-Dinitrotoluene	A1433-8011	67.6	67.6	ppb	U
84-66-2	Diethylphthalate	A1433-8011	142	142	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	A1433-8011	92.7	92.7	ppb	U
86-73-7	Fluorene	A1433-8011	92.7	92.7	ppb	U
100-01-6	4-Nitroaniline	A1433-8011	89.4	89.4	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	A1433-8011	3350	3350	ppb	U
86-30-6	N-nitrosodiphenylamine	A1433-8011	86.1	86.1	ppb	U
101-55-3	4-Bromophenyl-phenylether	A1433-8011	93.7	93.7	ppb	U
118-74-1	Hexachlorobenzene	A1433-8011	93.7	93.7	ppb	U
87-86-5	Pentachlorophenol	A1433-8011	1580	1580	ppb	U
85-01-8	Phenanthrene	A1433-8011	98.1	98.1	ppb	U
120-12-7	Anthracene	A1433-8011	94.8	94.8	ppb	U
84-74-2	Di-n-butylphthalate	A1433-8011	98.1	**35.1**	ppb	J
206-44-0	Fluoranthene	A1433-8011	94.8	94.8	ppb	U
129-00-0	Pyrene	A1433-8011	90.5	90.5	ppb	U
85-68-7	Butylbenzylphthalate	A1433-8011	94.8	94.8	ppb	U
91-94-1	3,3'-Dichlorobenzidine	A1433-8011	412	412	ppb	U
56-55-3	Benzo(a)anthracene	A1433-8011	85.0	85.0	ppb	U
218-01-9	Chrysene	A1433-8011	97.0	97.0	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1433-8011	100	100	ppb	U
117-84-0	Di-n-octylphthalate	A1433-8011	75.2	75.2	ppb	U
205-99-2	Benzo(b)fluoranthene	A1433-8011	97.0	97.0	ppb	U
207-08-9	Benzo(k)fluoranthene	A1433-8011	82.8	82.8	ppb	U
50-32-8	Benzo(a)pyrene	A1433-8011	52.3	52.3	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1433-8011	359	359	ppb	U
53-70-3	Dibenzo(a,h)anthracene	A1433-8011	378	378	ppb	U
191-24-2	Benzo(g,h,i)perylene	A1433-8011	380	380	ppb	U

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-1
Client Sample ID: MW-12-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Collected: 11/28/2005 12:00
% Solid: 91.7%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1433-8011	53.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	A1433-8011	41.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	A1433-8011	43.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	A1433-8011	42.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	A1433-8011	44.4 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	A1433-8011	63.1 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/28/2005 12:10
% Solid: 76%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1927-4241	1.78	1.78	ppb	U
75-45-6	Chlorodifluoromethane	B1927-4241	3.22	3.22	ppb	U
74-87-3	Chloromethane	B1927-4241	5.46	5.46	ppb	U
75-01-4	Vinyl Chloride	B1927-4241	3.22	3.22	ppb	U
74-83-9	Bromomethane	B1927-4241	2.04	2.04	ppb	U
75-00-3	Chloroethane	B1927-4241	3.03	3.03	ppb	U
75-69-4	Trichlorofluoromethane	B1927-4241	2.76	2.76	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1927-4241	2.37	2.37	ppb	U
75-35-4	1,1-Dichloroethene	B1927-4241	3.82	3.82	ppb	U
67-64-1	Acetone	B1927-4241	35.9	**59.1**	ppb	Y
75-15-0	Carbon disulfide	B1927-4241	2.57	2.57	ppb	U
75-09-2	Methylene Chloride	B1927-4241	3.42	**15.0**	ppb	Y
156-60-5	t-1,2-Dichloroethene	B1927-4241	3.36	3.36	ppb	U
1634-04-4	Methyl t-butyl ether	B1927-4241	5.46	5.46	ppb	U
75-34-3	1,1-Dichloroethane	B1927-4241	2.70	2.70	ppb	U
590-20-7	2,2-Dichloropropane	B1927-4241	2.24	2.24	ppb	U
156-59-2	c-1,2-Dichloroethene	B1927-4241	3.55	3.55	ppb	U
78-93-3	2-Butanone	B1927-4241	31.4	31.4	ppb	U
74-97-5	Bromochloromethane	B1927-4241	3.75	3.75	ppb	U
67-66-3	Chloroform	B1927-4241	2.37	2.37	ppb	U
71-55-6	1,1,1-Trichloroethane	B1927-4241	3.16	3.16	ppb	U
56-23-5	Carbon Tetrachloride	B1927-4241	3.62	3.62	ppb	U
563-58-6	1,1-Dichloropropene	B1927-4241	3.36	3.36	ppb	U
71-43-2	Benzene	B1927-4241	3.22	**9.00**	ppb	Y
107-06-2	1,2-Dichloroethane	B1927-4241	2.96	2.96	ppb	U
79-01-6	Trichloroethene	B1927-4241	3.09	3.09	ppb	U
78-87-5	1,2-Dichloropropane	B1927-4241	2.57	2.57	ppb	U
74-95-3	Dibromomethane	B1927-4241	4.41	4.41	ppb	U
75-27-4	Bromodichloromethane	B1927-4241	2.70	2.70	ppb	U
110-75-8	2-Chloroethylvinylether	B1927-4241	14.2	14.2	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1927-4241	2.90	2.90	ppb	U
108-10-1	4-Methyl-2-pentanone	B1927-4241	30.5	30.5	ppb	U
108-88-3	Toluene	B1927-4241	3.09	**4.09**	ppb	Y
10061-02-6	t-1,3-Dichloropropene	B1927-4241	2.76	2.76	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/28/2005 12:10
% Solid: 76%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1927-4241	2.83	2.83	ppb	U
127-18-4	Tetrachloroethene	B1927-4241	5.86	**20.1**	ppb	Y
142-28-9	1,3-Dichloropropane	B1927-4241	4.01	4.01	ppb	U
591-78-6	2-Hexanone	B1927-4241	29.3	29.3	ppb	U
124-48-1	Dibromochloromethane	B1927-4241	3.49	3.49	ppb	U
106-93-4	1,2-Dibromoethane	B1927-4241	2.83	2.83	ppb	U
108-90-7	Chlorobenzene	B1927-4241	2.76	2.76	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1927-4241	2.90	2.90	ppb	U
100-41-4	Ethylbenzene	B1927-4241	1.58	**80.2**	ppb	
108-38-3	m,p-xylene	B1927-4241	5.46	**288**	ppb	
95-47-6	o-xylene	B1927-4241	2.76	**17.6**	ppb	Y
100-42-5	Styrene	B1927-4241	2.83	2.83	ppb	U
75-25-2	Bromoform	B1927-4241	4.54	4.54	ppb	U
98-82-8	Isopropylbenzene	B1927-4241	2.24	**36.5**	ppb	
108-86-1	Bromobenzene	B1927-4241	1.58	1.58	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1927-4241	4.08	4.08	ppb	U
103-65-1	n-Propylbenzene	B1927-4241	2.24	**136**	ppb	
96-18-4	1,2,3-Trichloropropane	B1927-4241	8.82	8.82	ppb	U
622-96-8	p-Ethyltoluene	B1927-4241	1.84	**373**	ppb	
108-67-8	1,3,5-Trimethylbenzene	B1927-4241	3.75	**157**	ppb	
95-49-8	2-Chlorotoluene	B1927-4241	2.24	2.24	ppb	U
106-43-4	4-Chlorotoluene	B1927-4241	2.30	2.30	ppb	U
98-06-6	tert-Butylbenzene	B1927-4241	1.84	1.84	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1927-4241	4.15	**558**	ppb	
135-98-8	sec-Butylbenzene	B1927-4241	2.11	**21.8**	ppb	Y
99-87-6	4-Isopropyltoluene	B1927-4241	2.70	**166**	ppb	
541-73-1	1,3-Dichlorobenzene	B1927-4241	2.30	2.30	ppb	U
106-46-7	1,4-Dichlorobenzene	B1927-4241	2.30	2.30	ppb	U
95-50-1	1,2-Dichlorobenzene	B1927-4241	2.57	2.57	ppb	U
105-05-5	p-Diethylbenzene	B1927-4241	3.68	3.68	ppb	U
104-51-8	n-Butylbenzene	B1927-4241	4.28	**59.9**	ppb	
95-93-2	1,2,4,5-Tetramethylbenzene	B1927-4241	4.34	**185**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	B1927-4241	8.62	8.62	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1927-4241	5.66	5.66	ppb	U

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/28/2005 12:10
% Solid: 76%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1927-4241	2.11	2.11	ppb	U
91-20-3	Naphthalene	B1927-4241	6.32	**70.2**	ppb	
87-61-6	1,2,3-Trichlorobenzene	B1927-4241	5.40	5.40	ppb	U
994-05-8	TAME	B1927-4241	3.09	3.09	ppb	U
75-65-0	Tertiary butyl alcohol	B1927-4241	75.7	**289**	ppb	Y
107-13-1	Acrylonitrile	B1927-4241	26.6	26.6	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1927-4241	101.0 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1927-4241	95.9 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1927-4241	101.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 12:10
% Solid: 76%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	A1433-8012	511	511	ppb	U
111-44-4	bis(2-Chloroethyl)ether	A1433-8012	106	106	ppb	U
95-57-8	2-Chlorophenol	A1433-8012	102	102	ppb	U
541-73-1	1,3-Dichlorobenzene	A1433-8012	96.4	96.4	ppb	U
106-46-7	1,4-Dichlorobenzene	A1433-8012	97.7	**53.8**	ppb	J
100-51-6	Benzyl alcohol	A1433-8012	117	117	ppb	U
95-50-1	1,2-Dichlorobenzene	A1433-8012	88.4	88.4	ppb	U
95-48-7	2-Methylphenol	A1433-8012	129	129	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	A1433-8012	88.4	88.4	ppb	U
106-44-5	3+4-Methylphenol	A1433-8012	103	103	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	A1433-8012	75.2	75.2	ppb	U
67-72-1	Hexachloroethane	A1433-8012	80.5	80.5	ppb	U
98-95-3	Nitrobenzene	A1433-8012	116	116	ppb	U
78-59-1	Isophorone	A1433-8012	96.4	96.4	ppb	U
88-75-5	2-Nitrophenol	A1433-8012	63.4	63.4	ppb	U
105-67-9	2,4-Dimethylphenol	A1433-8012	91.1	91.1	ppb	U
65-85-0	Benzoic acid	A1433-8012	898	898	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	A1433-8012	95.0	95.0	ppb	U
120-83-2	2,4-Dichlorophenol	A1433-8012	92.4	92.4	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A1433-8012	100	100	ppb	U
91-20-3	Naphthalene	A1433-8012	108	**1540**	ppb	Y
106-47-8	4-Chloroaniline	A1433-8012	107	107	ppb	U
87-68-3	Hexachlorobutadiene	A1433-8012	100	100	ppb	U
59-50-7	4-Chloro-3-methylphenol	A1433-8012	96.4	96.4	ppb	U
91-57-6	2-Methylnaphthalene	A1433-8012	114	**1050**	ppb	Y
77-47-4	Hexachlorocyclopentadiene	A1433-8012	627	627	ppb	U
88-06-2	2,4,6-Trichlorophenol	A1433-8012	95.0	95.0	ppb	U
95-95-4	2,4,5-Trichlorophenol	A1433-8012	125	125	ppb	U
91-58-7	2-Chloronaphthalene	A1433-8012	110	110	ppb	U
88-74-4	2-Nitroaniline	A1433-8012	121	121	ppb	U
131-11-3	Dimethyl phthalate	A1433-8012	111	111	ppb	U
208-96-8	Acenaphthylene	A1433-8012	107	107	ppb	U
606-20-2	2,6-Dinitrotoluene	A1433-8012	81.8	81.8	ppb	U
99-09-2	3-Nitroaniline	A1433-8012	121	121	ppb	U

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 12:10
% Solid: 76%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	A1433-8012	111	111	ppb	U
51-28-5	2,4-Dinitrophenol	A1433-8012	4410	4410	ppb	U
100-02-7	4-Nitrophenol	A1433-8012	771	771	ppb	U
132-64-9	Dibenzofuran	A1433-8012	104	104	ppb	U
121-14-2	2,4-Dinitrotoluene	A1433-8012	81.8	81.8	ppb	U
84-66-2	Diethylphthalate	A1433-8012	172	172	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	A1433-8012	112	112	ppb	U
86-73-7	Fluorene	A1433-8012	112	112	ppb	U
100-01-6	4-Nitroaniline	A1433-8012	108	108	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	A1433-8012	4050	4050	ppb	U
86-30-6	N-nitrosodiphenylamine	A1433-8012	104	104	ppb	U
101-55-3	4-Bromophenyl-phenylether	A1433-8012	114	114	ppb	U
118-74-1	Hexachlorobenzene	A1433-8012	114	114	ppb	U
87-86-5	Pentachlorophenol	A1433-8012	1910	1910	ppb	U
85-01-8	Phenanthrene	A1433-8012	119	**41.7**	ppb	J
120-12-7	Anthracene	A1433-8012	115	115	ppb	U
84-74-2	Di-n-butylphthalate	A1433-8012	119	**76.6**	ppb	J
206-44-0	Fluoranthene	A1433-8012	115	**30.7**	ppb	J
129-00-0	Pyrene	A1433-8012	110	110	ppb	U
85-68-7	Butylbenzylphthalate	A1433-8012	115	115	ppb	U
91-94-1	3,3'-Dichlorobenzidine	A1433-8012	499	499	ppb	U
56-55-3	Benzo(a)anthracene	A1433-8012	103	103	ppb	U
218-01-9	Chrysene	A1433-8012	117	117	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1433-8012	121	121	ppb	U
117-84-0	Di-n-octylphthalate	A1433-8012	91.1	91.1	ppb	U
205-99-2	Benzo(b)fluoranthene	A1433-8012	117	117	ppb	U
207-08-9	Benzo(k)fluoranthene	A1433-8012	100	100	ppb	U
50-32-8	Benzo(a)pyrene	A1433-8012	63.4	63.4	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1433-8012	434	434	ppb	U
53-70-3	Dibenzo(a,h)anthracene	A1433-8012	458	458	ppb	U
191-24-2	Benzo(g,h,i)perylene	A1433-8012	461	461	ppb	U

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-2
Client Sample ID: MW-12-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 12:10
% Solid: 76%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1433-8012	56.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	A1433-8012	49.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	A1433-8012	58.2 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	A1433-8012	54.9 %	(23 - 120)	
13127-88-3	PHENOL-D6	A1433-8012	57.5 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	A1433-8012	57.4 %	(18 - 137)	

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 14:30
% Solid: 89.8%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1924-4173	0.30	0.30	ppb	U
75-45-6	Chlorodifluoromethane	B1924-4173	0.54	0.54	ppb	U
74-87-3	Chloromethane	B1924-4173	0.92	0.92	ppb	U
75-01-4	Vinyl Chloride	B1924-4173	0.54	0.54	ppb	U
74-83-9	Bromomethane	B1924-4173	0.34	0.34	ppb	U
75-00-3	Chloroethane	B1924-4173	0.51	0.51	ppb	U
75-69-4	Trichlorofluoromethane	B1924-4173	0.47	0.47	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1924-4173	0.40	0.40	ppb	U
75-35-4	1,1-Dichloroethene	B1924-4173	0.64	0.64	ppb	U
67-64-1	Acetone	B1924-4173	6.05	**12.2**	ppb	Y
75-15-0	Carbon disulfide	B1924-4173	0.43	0.43	ppb	U
75-09-2	Methylene Chloride	B1924-4173	0.58	0.58	ppb	U
156-60-5	t-1,2-Dichloroethene	B1924-4173	0.57	0.57	ppb	U
1634-04-4	Methyl t-butyl ether	B1924-4173	0.92	0.92	ppb	U
75-34-3	1,1-Dichloroethane	B1924-4173	0.46	0.46	ppb	U
590-20-7	2,2-Dichloropropane	B1924-4173	0.38	0.38	ppb	U
156-59-2	c-1,2-Dichloroethene	B1924-4173	0.60	0.60	ppb	U
78-93-3	2-Butanone	B1924-4173	5.29	5.29	ppb	U
74-97-5	Bromochloromethane	B1924-4173	0.63	0.63	ppb	U
67-66-3	Chloroform	B1924-4173	0.40	0.40	ppb	U
71-55-6	1,1,1-Trichloroethane	B1924-4173	0.53	0.53	ppb	U
56-23-5	Carbon Tetrachloride	B1924-4173	0.61	0.61	ppb	U
563-58-6	1,1-Dichloropropene	B1924-4173	0.57	0.57	ppb	U
71-43-2	Benzene	B1924-4173	0.54	0.54	ppb	U
107-06-2	1,2-Dichloroethane	B1924-4173	0.50	0.50	ppb	U
79-01-6	Trichloroethene	B1924-4173	0.52	0.52	ppb	U
78-87-5	1,2-Dichloropropane	B1924-4173	0.43	0.43	ppb	U
74-95-3	Dibromomethane	B1924-4173	0.74	0.74	ppb	U
75-27-4	Bromodichloromethane	B1924-4173	0.46	0.46	ppb	U
110-75-8	2-Chloroethylvinylether	B1924-4173	2.40	2.40	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1924-4173	0.49	0.49	ppb	U
108-10-1	4-Methyl-2-pentanone	B1924-4173	5.14	5.14	ppb	U
108-88-3	Toluene	B1924-4173	0.52	0.52	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1924-4173	0.47	0.47	ppb	U

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 14:30
% Solid: 89.8%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1924-4173	0.48	0.48	ppb	U
127-18-4	Tetrachloroethene	B1924-4173	0.99	0.99	ppb	U
142-28-9	1,3-Dichloropropane	B1924-4173	0.68	0.68	ppb	U
591-78-6	2-Hexanone	B1924-4173	4.95	4.95	ppb	U
124-48-1	Dibromochloromethane	B1924-4173	0.59	0.59	ppb	U
106-93-4	1,2-Dibromoethane	B1924-4173	0.48	0.48	ppb	U
108-90-7	Chlorobenzene	B1924-4173	0.47	0.47	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1924-4173	0.49	0.49	ppb	U
100-41-4	Ethylbenzene	B1924-4173	0.27	0.27	ppb	U
108-38-3	m,p-xylene	B1924-4173	0.92	0.92	ppb	U
95-47-6	o-xylene	B1924-4173	0.47	0.47	ppb	U
100-42-5	Styrene	B1924-4173	0.48	0.48	ppb	U
75-25-2	Bromoform	B1924-4173	0.77	0.77	ppb	U
98-82-8	Isopropylbenzene	B1924-4173	0.38	0.38	ppb	U
108-86-1	Bromobenzene	B1924-4173	0.27	0.27	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1924-4173	0.69	0.69	ppb	U
103-65-1	n-Propylbenzene	B1924-4173	0.38	0.38	ppb	U
96-18-4	1,2,3-Trichloropropane	B1924-4173	1.49	1.49	ppb	U
622-96-8	p-Ethyltoluene	B1924-4173	0.31	0.31	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1924-4173	0.63	0.63	ppb	U
95-49-8	2-Chlorotoluene	B1924-4173	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B1924-4173	0.39	0.39	ppb	U
98-06-6	tert-Butylbenzene	B1924-4173	0.31	0.31	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1924-4173	0.70	0.70	ppb	U
135-98-8	sec-Butylbenzene	B1924-4173	0.36	0.36	ppb	U
99-87-6	4-Isopropyltoluene	B1924-4173	0.46	0.46	ppb	U
541-73-1	1,3-Dichlorobenzene	B1924-4173	0.39	0.39	ppb	U
106-46-7	1,4-Dichlorobenzene	B1924-4173	0.39	0.39	ppb	U
95-50-1	1,2-Dichlorobenzene	B1924-4173	0.43	0.43	ppb	U
105-05-5	p-Diethylbenzene	B1924-4173	0.62	0.62	ppb	U
104-51-8	n-Butylbenzene	B1924-4173	0.72	0.72	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1924-4173	0.73	0.73	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1924-4173	1.45	1.45	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1924-4173	0.95	0.95	ppb	U

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 14:30
% Solid: 89.8%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1924-4173	0.36	0.36	ppb	U
91-20-3	Naphthalene	B1924-4173	1.07	1.07	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1924-4173	0.91	0.91	ppb	U
994-05-8	TAME	B1924-4173	0.52	0.52	ppb	U
75-65-0	Tertiary butyl alcohol	B1924-4173	12.8	12.8	ppb	U
107-13-1	Acrylonitrile	B1924-4173	4.48	4.48	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4173	96.3 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4173	92.7 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4173	99.6 %	(80 - 121)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry) Collected: 11/28/2005 14:30
Matrix: Soil Type: Composite % Solid: 89.8%
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1924-4173	0.92	0.92	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4173	96.3 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4173	92.7 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4173	99.6 %	(80 - 121)	

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft Collected: 11/28/2005 14:40
Matrix: Soil Type: Composite % Solid: 84%
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1924-4174	0.99	0.99	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4174	95.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4174	93.8 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4174	99.8 %	(80 - 121)	

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry) Collected: 11/28/2005 14:30
Matrix: Soil Type: Composite % Solid: 89.8%
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	A1433-8013	430	430	ppb	U
111-44-4	bis(2-Chloroethyl)ether	A1433-8013	88.8	88.8	ppb	U
95-57-8	2-Chlorophenol	A1433-8013	85.5	85.5	ppb	U
541-73-1	1,3-Dichlorobenzene	A1433-8013	81.0	81.0	ppb	U
106-46-7	1,4-Dichlorobenzene	A1433-8013	82.1	82.1	ppb	U
100-51-6	Benzyl alcohol	A1433-8013	98.8	98.8	ppb	U
95-50-1	1,2-Dichlorobenzene	A1433-8013	74.4	74.4	ppb	U
95-48-7	2-Methylphenol	A1433-8013	109	109	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	A1433-8013	74.4	74.4	ppb	U
106-44-5	3+4-Methylphenol	A1433-8013	86.6	86.6	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	A1433-8013	63.3	63.3	ppb	U
67-72-1	Hexachloroethane	A1433-8013	67.7	67.7	ppb	U
98-95-3	Nitrobenzene	A1433-8013	97.7	97.7	ppb	U
78-59-1	Isophorone	A1433-8013	81.0	81.0	ppb	U
88-75-5	2-Nitrophenol	A1433-8013	53.3	53.3	ppb	U
105-67-9	2,4-Dimethylphenol	A1433-8013	76.6	76.6	ppb	U
65-85-0	Benzoic acid	A1433-8013	755	755	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	A1433-8013	79.9	79.9	ppb	U
120-83-2	2,4-Dichlorophenol	A1433-8013	77.7	77.7	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A1433-8013	84.4	84.4	ppb	U
91-20-3	Naphthalene	A1433-8013	91.0	91.0	ppb	U
106-47-8	4-Chloroaniline	A1433-8013	89.9	89.9	ppb	U
87-68-3	Hexachlorobutadiene	A1433-8013	84.4	84.4	ppb	U
59-50-7	4-Chloro-3-methylphenol	A1433-8013	81.0	81.0	ppb	U
91-57-6	2-Methylnaphthalene	A1433-8013	95.5	95.5	ppb	U
77-47-4	Hexachlorocyclopentadiene	A1433-8013	527	527	ppb	U
88-06-2	2,4,6-Trichlorophenol	A1433-8013	79.9	79.9	ppb	U
95-95-4	2,4,5-Trichlorophenol	A1433-8013	105	105	ppb	U
91-58-7	2-Chloronaphthalene	A1433-8013	92.1	92.1	ppb	U
88-74-4	2-Nitroaniline	A1433-8013	102	102	ppb	U
131-11-3	Dimethyl phthalate	A1433-8013	93.2	93.2	ppb	U
208-96-8	Acenaphthylene	A1433-8013	89.9	89.9	ppb	U
606-20-2	2,6-Dinitrotoluene	A1433-8013	68.8	68.8	ppb	U
99-09-2	3-Nitroaniline	A1433-8013	102	102	ppb	U

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry) Collected: 11/28/2005 14:30
Matrix: Soil Type: Composite % Solid: 89.8%
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	A1433-8013	93.2	93.2	ppb	U
51-28-5	2,4-Dinitrophenol	A1433-8013	3710	3710	ppb	U
100-02-7	4-Nitrophenol	A1433-8013	648	648	ppb	U
132-64-9	Dibenzofuran	A1433-8013	87.7	87.7	ppb	U
121-14-2	2,4-Dinitrotoluene	A1433-8013	68.8	68.8	ppb	U
84-66-2	Diethylphthalate	A1433-8013	144	144	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	A1433-8013	94.3	94.3	ppb	U
86-73-7	Fluorene	A1433-8013	94.3	94.3	ppb	U
100-01-6	4-Nitroaniline	A1433-8013	91.0	91.0	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	A1433-8013	3410	3410	ppb	U
86-30-6	N-nitrosodiphenylamine	A1433-8013	87.7	87.7	ppb	U
101-55-3	4-Bromophenyl-phenylether	A1433-8013	95.5	95.5	ppb	U
118-74-1	Hexachlorobenzene	A1433-8013	95.5	95.5	ppb	U
87-86-5	Pentachlorophenol	A1433-8013	1610	1610	ppb	U
85-01-8	Phenanthrene	A1433-8013	99.9	99.9	ppb	U
120-12-7	Anthracene	A1433-8013	96.6	96.6	ppb	U
84-74-2	Di-n-butylphthalate	A1433-8013	99.9	**27.7**	ppb	J
206-44-0	Fluoranthene	A1433-8013	96.6	96.6	ppb	U
129-00-0	Pyrene	A1433-8013	92.1	92.1	ppb	U
85-68-7	Butylbenzylphthalate	A1433-8013	96.6	96.6	ppb	U
91-94-1	3,3'-Dichlorobenzidine	A1433-8013	420	420	ppb	U
56-55-3	Benzo(a)anthracene	A1433-8013	86.6	86.6	ppb	U
218-01-9	Chrysene	A1433-8013	98.8	98.8	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1433-8013	102	**59.2**	ppb	J
117-84-0	Di-n-octylphthalate	A1433-8013	76.6	76.6	ppb	U
205-99-2	Benzo(b)fluoranthene	A1433-8013	98.8	98.8	ppb	U
207-08-9	Benzo(k)fluoranthene	A1433-8013	84.4	84.4	ppb	U
50-32-8	Benzo(a)pyrene	A1433-8013	53.3	53.3	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1433-8013	365	365	ppb	U
53-70-3	Dibenzo(a,h)anthracene	A1433-8013	385	385	ppb	U
191-24-2	Benzo(g,h,i)perylene	A1433-8013	387	387	ppb	U

* Results are reported on a dry weight basis

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-3
Client Sample ID: MW-11-10-15ft (Dry)
Matrix: Soil Type: Composite
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Collected: 11/28/2005 14:30
% Solid: 89.8%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1433-8013	39.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	A1433-8013	36.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	A1433-8013	38.3 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	A1433-8013	37.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	A1433-8013	39.2 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	A1433-8013	60.7 %	(18 - 137)	

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 14:40
% Solid: 84%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1924-4174	0.32	0.32	ppb	U
75-45-6	Chlorodifluoromethane	B1924-4174	0.58	0.58	ppb	U
74-87-3	Chloromethane	B1924-4174	0.99	0.99	ppb	U
75-01-4	Vinyl Chloride	B1924-4174	0.58	0.58	ppb	U
74-83-9	Bromomethane	B1924-4174	0.37	0.37	ppb	U
75-00-3	Chloroethane	B1924-4174	0.55	0.55	ppb	U
75-69-4	Trichlorofluoromethane	B1924-4174	0.50	0.50	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1924-4174	0.43	0.43	ppb	U
75-35-4	1,1-Dichloroethene	B1924-4174	0.69	0.69	ppb	U
67-64-1	Acetone	B1924-4174	6.49	**16.7**	ppb	Y
75-15-0	Carbon disulfide	B1924-4174	0.46	0.46	ppb	U
75-09-2	Methylene Chloride	B1924-4174	0.62	**4.75**	ppb	Y
156-60-5	t-1,2-Dichloroethene	B1924-4174	0.61	0.61	ppb	U
1634-04-4	Methyl t-butyl ether	B1924-4174	0.99	0.99	ppb	U
75-34-3	1,1-Dichloroethane	B1924-4174	0.49	0.49	ppb	U
590-20-7	2,2-Dichloropropane	B1924-4174	0.40	0.40	ppb	U
156-59-2	c-1,2-Dichloroethene	B1924-4174	0.64	0.64	ppb	U
78-93-3	2-Butanone	B1924-4174	5.68	5.68	ppb	U
74-97-5	Bromochloromethane	B1924-4174	0.68	0.68	ppb	U
67-66-3	Chloroform	B1924-4174	0.43	0.43	ppb	U
71-55-6	1,1,1-Trichloroethane	B1924-4174	0.57	0.57	ppb	U
56-23-5	Carbon Tetrachloride	B1924-4174	0.65	0.65	ppb	U
563-58-6	1,1-Dichloropropene	B1924-4174	0.61	0.61	ppb	U
71-43-2	Benzene	B1924-4174	0.58	0.58	ppb	U
107-06-2	1,2-Dichloroethane	B1924-4174	0.54	0.54	ppb	U
79-01-6	Trichloroethene	B1924-4174	0.56	0.56	ppb	U
78-87-5	1,2-Dichloropropane	B1924-4174	0.46	0.46	ppb	U
74-95-3	Dibromomethane	B1924-4174	0.80	0.80	ppb	U
75-27-4	Bromodichloromethane	B1924-4174	0.49	0.49	ppb	U
110-75-8	2-Chloroethylvinylether	B1924-4174	2.57	2.57	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1924-4174	0.52	0.52	ppb	U
108-10-1	4-Methyl-2-pentanone	B1924-4174	5.51	5.51	ppb	U
108-88-3	Toluene	B1924-4174	0.56	0.56	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1924-4174	0.50	0.50	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 14:40
% Solid: 84%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1924-4174	0.51	0.51	ppb	U
127-18-4	Tetrachloroethene	B1924-4174	1.06	1.06	ppb	U
142-28-9	1,3-Dichloropropane	B1924-4174	0.73	0.73	ppb	U
591-78-6	2-Hexanone	B1924-4174	5.31	5.31	ppb	U
124-48-1	Dibromochloromethane	B1924-4174	0.63	0.63	ppb	U
106-93-4	1,2-Dibromoethane	B1924-4174	0.51	0.51	ppb	U
108-90-7	Chlorobenzene	B1924-4174	0.50	0.50	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1924-4174	0.52	0.52	ppb	U
100-41-4	Ethylbenzene	B1924-4174	0.29	0.29	ppb	U
108-38-3	m,p-xylene	B1924-4174	0.99	0.99	ppb	U
95-47-6	o-xylene	B1924-4174	0.50	0.50	ppb	U
100-42-5	Styrene	B1924-4174	0.51	0.51	ppb	U
75-25-2	Bromoform	B1924-4174	0.82	0.82	ppb	U
98-82-8	Isopropylbenzene	B1924-4174	0.40	0.40	ppb	U
108-86-1	Bromobenzene	B1924-4174	0.29	0.29	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1924-4174	0.74	0.74	ppb	U
103-65-1	n-Propylbenzene	B1924-4174	0.40	0.40	ppb	U
96-18-4	1,2,3-Trichloropropane	B1924-4174	1.59	1.59	ppb	U
622-96-8	p-Ethyltoluene	B1924-4174	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1924-4174	0.68	0.68	ppb	U
95-49-8	2-Chlorotoluene	B1924-4174	0.40	0.40	ppb	U
106-43-4	4-Chlorotoluene	B1924-4174	0.42	0.42	ppb	U
98-06-6	tert-Butylbenzene	B1924-4174	0.33	0.33	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1924-4174	0.75	0.75	ppb	U
135-98-8	sec-Butylbenzene	B1924-4174	0.38	0.38	ppb	U
99-87-6	4-Isopropyltoluene	B1924-4174	0.49	0.49	ppb	U
541-73-1	1,3-Dichlorobenzene	B1924-4174	0.42	0.42	ppb	U
106-46-7	1,4-Dichlorobenzene	B1924-4174	0.42	0.42	ppb	U
95-50-1	1,2-Dichlorobenzene	B1924-4174	0.46	0.46	ppb	U
105-05-5	p-Diethylbenzene	B1924-4174	0.67	0.67	ppb	U
104-51-8	n-Butylbenzene	B1924-4174	0.77	0.77	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1924-4174	0.79	0.79	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1924-4174	1.56	1.56	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1924-4174	1.02	1.02	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 14:40
% Solid: 84%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1924-4174	0.38	0.38	ppb	U
91-20-3	Naphthalene	B1924-4174	1.14	1.14	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1924-4174	0.98	0.98	ppb	U
994-05-8	TAME	B1924-4174	0.56	0.56	ppb	U
75-65-0	Tertiary butyl alcohol	B1924-4174	13.7	13.7	ppb	U
107-13-1	Acrylonitrile	B1924-4174	4.81	4.81	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4174	95.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4174	93.8 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4174	99.8 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 14:40
% Solid: 84%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	A1433-8014	461	461	ppb	U
111-44-4	bis(2-Chloroethyl)ether	A1433-8014	95.2	95.2	ppb	U
95-57-8	2-Chlorophenol	A1433-8014	91.6	91.6	ppb	U
541-73-1	1,3-Dichlorobenzene	A1433-8014	86.9	86.9	ppb	U
106-46-7	1,4-Dichlorobenzene	A1433-8014	88.1	88.1	ppb	U
100-51-6	Benzyl alcohol	A1433-8014	106	106	ppb	U
95-50-1	1,2-Dichlorobenzene	A1433-8014	79.7	79.7	ppb	U
95-48-7	2-Methylphenol	A1433-8014	117	117	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	A1433-8014	79.7	79.7	ppb	U
106-44-5	3+4-Methylphenol	A1433-8014	92.8	92.8	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	A1433-8014	67.8	67.8	ppb	U
67-72-1	Hexachloroethane	A1433-8014	72.6	72.6	ppb	U
98-95-3	Nitrobenzene	A1433-8014	105	105	ppb	U
78-59-1	Isophorone	A1433-8014	86.9	86.9	ppb	U
88-75-5	2-Nitrophenol	A1433-8014	57.1	57.1	ppb	U
105-67-9	2,4-Dimethylphenol	A1433-8014	82.1	82.1	ppb	U
65-85-0	Benzoic acid	A1433-8014	809	809	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	A1433-8014	85.7	85.7	ppb	U
120-83-2	2,4-Dichlorophenol	A1433-8014	83.3	83.3	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A1433-8014	90.4	90.4	ppb	U
91-20-3	Naphthalene	A1433-8014	97.6	97.6	ppb	U
106-47-8	4-Chloroaniline	A1433-8014	96.4	96.4	ppb	U
87-68-3	Hexachlorobutadiene	A1433-8014	90.4	90.4	ppb	U
59-50-7	4-Chloro-3-methylphenol	A1433-8014	86.9	86.9	ppb	U
91-57-6	2-Methylnaphthalene	A1433-8014	102	102	ppb	U
77-47-4	Hexachlorocyclopentadiene	A1433-8014	565	565	ppb	U
88-06-2	2,4,6-Trichlorophenol	A1433-8014	85.7	85.7	ppb	U
95-95-4	2,4,5-Trichlorophenol	A1433-8014	113	113	ppb	U
91-58-7	2-Chloronaphthalene	A1433-8014	98.8	98.8	ppb	U
88-74-4	2-Nitroaniline	A1433-8014	109	109	ppb	U
131-11-3	Dimethyl phthalate	A1433-8014	100	100	ppb	U
208-96-8	Acenaphthylene	A1433-8014	96.4	96.4	ppb	U
606-20-2	2,6-Dinitrotoluene	A1433-8014	73.8	73.8	ppb	U
99-09-2	3-Nitroaniline	A1433-8014	109	109	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 14:40
% Solid: 84%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	A1433-8014	100	100	ppb	U
51-28-5	2,4-Dinitrophenol	A1433-8014	3970	3970	ppb	U
100-02-7	4-Nitrophenol	A1433-8014	695	695	ppb	U
132-64-9	Dibenzofuran	A1433-8014	94.0	94.0	ppb	U
121-14-2	2,4-Dinitrotoluene	A1433-8014	73.8	73.8	ppb	U
84-66-2	Diethylphthalate	A1433-8014	155	155	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	A1433-8014	101	101	ppb	U
86-73-7	Fluorene	A1433-8014	101	101	ppb	U
100-01-6	4-Nitroaniline	A1433-8014	97.6	97.6	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	A1433-8014	3650	3650	ppb	U
86-30-6	N-nitrosodiphenylamine	A1433-8014	94.0	94.0	ppb	U
101-55-3	4-Bromophenyl-phenylether	A1433-8014	102	102	ppb	U
118-74-1	Hexachlorobenzene	A1433-8014	102	102	ppb	U
87-86-5	Pentachlorophenol	A1433-8014	1730	1730	ppb	U
85-01-8	Phenanthrene	A1433-8014	107	107	ppb	U
120-12-7	Anthracene	A1433-8014	104	104	ppb	U
84-74-2	Di-n-butylphthalate	A1433-8014	107	**30.2**	ppb	J
206-44-0	Fluoranthene	A1433-8014	104	104	ppb	U
129-00-0	Pyrene	A1433-8014	98.8	98.8	ppb	U
85-68-7	Butylbenzylphthalate	A1433-8014	104	104	ppb	U
91-94-1	3,3'-Dichlorobenzidine	A1433-8014	450	450	ppb	U
56-55-3	Benzo(a)anthracene	A1433-8014	92.8	92.8	ppb	U
218-01-9	Chrysene	A1433-8014	106	106	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1433-8014	109	**29.6**	ppb	J
117-84-0	Di-n-octylphthalate	A1433-8014	82.1	82.1	ppb	U
205-99-2	Benzo(b)fluoranthene	A1433-8014	106	106	ppb	U
207-08-9	Benzo(k)fluoranthene	A1433-8014	90.4	90.4	ppb	U
50-32-8	Benzo(a)pyrene	A1433-8014	57.1	57.1	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1433-8014	392	392	ppb	U
53-70-3	Dibenzo(a,h)anthracene	A1433-8014	413	413	ppb	U
191-24-2	Benzo(g,h,i)perylene	A1433-8014	415	415	ppb	U

* Results are reported on a dry weight basis

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-4
Client Sample ID: MW-11-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 14:40
% Solid: 84%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1433-8014	48.5 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	A1433-8014	43.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	A1433-8014	48.3 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	A1433-8014	45.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	A1433-8014	48.5 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	A1433-8014	57.0 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 16:00
% Solid: 90.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1924-4175	0.30	0.30	ppb	U
75-45-6	Chlorodifluoromethane	B1924-4175	0.54	0.54	ppb	U
74-87-3	Chloromethane	B1924-4175	0.91	0.91	ppb	U
75-01-4	Vinyl Chloride	B1924-4175	0.54	0.54	ppb	U
74-83-9	Bromomethane	B1924-4175	0.34	0.34	ppb	U
75-00-3	Chloroethane	B1924-4175	0.51	0.51	ppb	U
75-69-4	Trichlorofluoromethane	B1924-4175	0.46	0.46	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1924-4175	0.40	0.40	ppb	U
75-35-4	1,1-Dichloroethene	B1924-4175	0.64	0.64	ppb	U
67-64-1	Acetone	B1924-4175	5.99	5.99	ppb	U
75-15-0	Carbon disulfide	B1924-4175	0.43	0.43	ppb	U
75-09-2	Methylene Chloride	B1924-4175	0.57	**6.16**	ppb	
156-60-5	t-1,2-Dichloroethene	B1924-4175	0.56	0.56	ppb	U
1634-04-4	Methyl t-butyl ether	B1924-4175	0.91	0.91	ppb	U
75-34-3	1,1-Dichloroethane	B1924-4175	0.45	0.45	ppb	U
590-20-7	2,2-Dichloropropane	B1924-4175	0.37	0.37	ppb	U
156-59-2	c-1,2-Dichloroethene	B1924-4175	0.59	0.59	ppb	U
78-93-3	2-Butanone	B1924-4175	5.25	5.25	ppb	U
74-97-5	Bromochloromethane	B1924-4175	0.63	0.63	ppb	U
67-66-3	Chloroform	B1924-4175	0.40	0.40	ppb	U
71-55-6	1,1,1-Trichloroethane	B1924-4175	0.53	0.53	ppb	U
56-23-5	Carbon Tetrachloride	B1924-4175	0.61	0.61	ppb	U
563-58-6	1,1-Dichloropropene	B1924-4175	0.56	0.56	ppb	U
71-43-2	Benzene	B1924-4175	0.54	0.54	ppb	U
107-06-2	1,2-Dichloroethane	B1924-4175	0.50	0.50	ppb	U
79-01-6	Trichloroethene	B1924-4175	0.52	0.52	ppb	U
78-87-5	1,2-Dichloropropane	B1924-4175	0.43	0.43	ppb	U
74-95-3	Dibromomethane	B1924-4175	0.74	0.74	ppb	U
75-27-4	Bromodichloromethane	B1924-4175	0.45	0.45	ppb	U
110-75-8	2-Chloroethylvinylether	B1924-4175	2.38	2.38	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1924-4175	0.48	0.48	ppb	U
108-10-1	4-Methyl-2-pentanone	B1924-4175	5.09	5.09	ppb	U
108-88-3	Toluene	B1924-4175	0.52	0.52	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1924-4175	0.46	0.46	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry)
Matrix: Soil Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 16:00
% Solid: 90.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1924-4175	0.47	0.47	ppb	U
127-18-4	Tetrachloroethene	B1924-4175	0.98	0.98	ppb	U
142-28-9	1,3-Dichloropropane	B1924-4175	0.67	0.67	ppb	U
591-78-6	2-Hexanone	B1924-4175	4.91	4.91	ppb	U
124-48-1	Dibromochloromethane	B1924-4175	0.58	0.58	ppb	U
106-93-4	1,2-Dibromoethane	B1924-4175	0.47	0.47	ppb	U
108-90-7	Chlorobenzene	B1924-4175	0.46	0.46	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1924-4175	0.48	0.48	ppb	U
100-41-4	Ethylbenzene	B1924-4175	0.26	0.26	ppb	U
108-38-3	m,p-xylene	B1924-4175	0.91	0.91	ppb	U
95-47-6	o-xylene	B1924-4175	0.46	0.46	ppb	U
100-42-5	Styrene	B1924-4175	0.47	0.47	ppb	U
75-25-2	Bromoform	B1924-4175	0.76	0.76	ppb	U
98-82-8	Isopropylbenzene	B1924-4175	0.37	0.37	ppb	U
108-86-1	Bromobenzene	B1924-4175	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1924-4175	0.68	0.68	ppb	U
103-65-1	n-Propylbenzene	B1924-4175	0.37	0.37	ppb	U
96-18-4	1,2,3-Trichloropropane	B1924-4175	1.47	1.47	ppb	U
622-96-8	p-Ethyltoluene	B1924-4175	0.31	0.31	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1924-4175	0.63	0.63	ppb	U
95-49-8	2-Chlorotoluene	B1924-4175	0.37	0.37	ppb	U
106-43-4	4-Chlorotoluene	B1924-4175	0.38	0.38	ppb	U
98-06-6	tert-Butylbenzene	B1924-4175	0.31	0.31	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1924-4175	0.69	0.69	ppb	U
135-98-8	sec-Butylbenzene	B1924-4175	0.35	0.35	ppb	U
99-87-6	4-Isopropyltoluene	B1924-4175	0.45	0.45	ppb	U
541-73-1	1,3-Dichlorobenzene	B1924-4175	0.38	0.38	ppb	U
106-46-7	1,4-Dichlorobenzene	B1924-4175	0.38	0.38	ppb	U
95-50-1	1,2-Dichlorobenzene	B1924-4175	0.43	0.43	ppb	U
105-05-5	p-Diethylbenzene	B1924-4175	0.62	0.62	ppb	U
104-51-8	n-Butylbenzene	B1924-4175	0.71	0.71	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1924-4175	0.73	0.73	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1924-4175	1.44	1.44	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1924-4175	0.95	0.95	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry)
Matrix: Soil
Type: Composite
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Collected: 11/28/2005 16:00
% Solid: 90.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1924-4175	0.35	0.35	ppb	U
91-20-3	Naphthalene	B1924-4175	1.06	1.06	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1924-4175	0.90	0.90	ppb	U
994-05-8	TAME	B1924-4175	0.52	0.52	ppb	U
75-65-0	Tertiary butyl alcohol	B1924-4175	12.6	12.6	ppb	U
107-13-1	Acrylonitrile	B1924-4175	4.44	4.44	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4175	97.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4175	92.6 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4175	101.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry) Collected: 11/28/2005 16:00
Matrix: Soil Type: Composite % Solid: 90.7%
Remarks:
Analyzed Date: 12/06/2005
Preparation Date(s) : 12/05/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	A1435-8049	426	426	ppb	U
111-44-4	bis(2-Chloroethyl)ether	A1435-8049	88.0	88.0	ppb	U
95-57-8	2-Chlorophenol	A1435-8049	84.7	84.7	ppb	U
541-73-1	1,3-Dichlorobenzene	A1435-8049	80.3	80.3	ppb	U
106-46-7	1,4-Dichlorobenzene	A1435-8049	81.4	81.4	ppb	U
100-51-6	Benzyl alcohol	A1435-8049	97.9	97.9	ppb	U
95-50-1	1,2-Dichlorobenzene	A1435-8049	73.7	73.7	ppb	U
95-48-7	2-Methylphenol	A1435-8049	108	108	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	A1435-8049	73.7	73.7	ppb	U
106-44-5	3+4-Methylphenol	A1435-8049	85.8	85.8	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	A1435-8049	62.7	62.7	ppb	U
67-72-1	Hexachloroethane	A1435-8049	67.1	67.1	ppb	U
98-95-3	Nitrobenzene	A1435-8049	96.8	96.8	ppb	U
78-59-1	Isophorone	A1435-8049	80.3	80.3	ppb	U
88-75-5	2-Nitrophenol	A1435-8049	52.8	52.8	ppb	U
105-67-9	2,4-Dimethylphenol	A1435-8049	75.9	75.9	ppb	U
65-85-0	Benzoic acid	A1435-8049	748	748	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	A1435-8049	79.2	79.2	ppb	U
120-83-2	2,4-Dichlorophenol	A1435-8049	77.0	77.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A1435-8049	83.6	83.6	ppb	U
91-20-3	Naphthalene	A1435-8049	90.2	90.2	ppb	U
106-47-8	4-Chloroaniline	A1435-8049	89.1	89.1	ppb	U
87-68-3	Hexachlorobutadiene	A1435-8049	83.6	83.6	ppb	U
59-50-7	4-Chloro-3-methylphenol	A1435-8049	80.3	80.3	ppb	U
91-57-6	2-Methylnaphthalene	A1435-8049	94.6	94.6	ppb	U
77-47-4	Hexachlorocyclopentadiene	A1435-8049	522	522	ppb	U
88-06-2	2,4,6-Trichlorophenol	A1435-8049	79.2	79.2	ppb	U
95-95-4	2,4,5-Trichlorophenol	A1435-8049	104	104	ppb	U
91-58-7	2-Chloronaphthalene	A1435-8049	91.3	91.3	ppb	U
88-74-4	2-Nitroaniline	A1435-8049	101	101	ppb	U
131-11-3	Dimethyl phthalate	A1435-8049	92.4	92.4	ppb	U
208-96-8	Acenaphthylene	A1435-8049	89.1	89.1	ppb	U
606-20-2	2,6-Dinitrotoluene	A1435-8049	68.2	68.2	ppb	U
99-09-2	3-Nitroaniline	A1435-8049	101	101	ppb	U

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry)
Matrix: Soil
Type: Composite
Collected: 11/28/2005 16:00
% Solid: 90.7%
Remarks:
Analyzed Date: 12/06/2005
Preparation Date(s) : 12/05/2005

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	A1435-8049	92.4	92.4	ppb	U
51-28-5	2,4-Dinitrophenol	A1435-8049	3670	3670	ppb	U
100-02-7	4-Nitrophenol	A1435-8049	642	642	ppb	U
132-64-9	Dibenzofuran	A1435-8049	86.9	86.9	ppb	U
121-14-2	2,4-Dinitrotoluene	A1435-8049	68.2	68.2	ppb	U
84-66-2	Diethylphthalate	A1435-8049	143	143	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	A1435-8049	93.5	93.5	ppb	U
86-73-7	Fluorene	A1435-8049	93.5	93.5	ppb	U
100-01-6	4-Nitroaniline	A1435-8049	90.2	90.2	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	A1435-8049	3380	3380	ppb	U
86-30-6	N-nitrosodiphenylamine	A1435-8049	86.9	86.9	ppb	U
101-55-3	4-Bromophenyl-phenylether	A1435-8049	94.6	94.6	ppb	U
118-74-1	Hexachlorobenzene	A1435-8049	94.6	94.6	ppb	U
87-86-5	Pentachlorophenol	A1435-8049	1600	1600	ppb	U
85-01-8	Phenanthrene	A1435-8049	99.0	99.0	ppb	U
120-12-7	Anthracene	A1435-8049	95.7	95.7	ppb	U
84-74-2	Di-n-butylphthalate	A1435-8049	99.0	**52.6**	ppb	J
206-44-0	Fluoranthene	A1435-8049	95.7	95.7	ppb	U
129-00-0	Pyrene	A1435-8049	91.3	91.3	ppb	U
85-68-7	Butylbenzylphthalate	A1435-8049	95.7	95.7	ppb	U
91-94-1	3,3'-Dichlorobenzidine	A1435-8049	416	416	ppb	U
56-55-3	Benzo(a)anthracene	A1435-8049	85.8	85.8	ppb	U
218-01-9	Chrysene	A1435-8049	97.9	97.9	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1435-8049	101	101	ppb	U
117-84-0	Di-n-octylphthalate	A1435-8049	75.9	75.9	ppb	U
205-99-2	Benzo(b)fluoranthene	A1435-8049	97.9	97.9	ppb	U
207-08-9	Benzo(k)fluoranthene	A1435-8049	83.6	83.6	ppb	U
50-32-8	Benzo(a)pyrene	A1435-8049	52.8	52.8	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1435-8049	362	362	ppb	U
53-70-3	Dibenzo(a,h)anthracene	A1435-8049	382	382	ppb	U
191-24-2	Benzo(g,h,i)perylene	A1435-8049	384	384	ppb	U

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry)
Matrix: Soil Type: Composite
Remarks:
Analyzed Date: 12/06/2005
Preparation Date(s) : 12/05/2005

Collected: 11/28/2005 16:00
% Solid: 90.7%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1435-8049	68.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	A1435-8049	54.2 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	A1435-8049	52.8 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	A1435-8049	49.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	A1435-8049	54.4 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	A1435-8049	64.1 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1924-4176	0.33	0.33	ppb	U
75-45-6	Chlorodifluoromethane	B1924-4176	0.60	0.60	ppb	U
74-87-3	Chloromethane	B1924-4176	1.01	1.01	ppb	U
75-01-4	Vinyl Chloride	B1924-4176	0.60	0.60	ppb	U
74-83-9	Bromomethane	B1924-4176	0.38	0.38	ppb	U
75-00-3	Chloroethane	B1924-4176	0.56	0.56	ppb	U
75-69-4	Trichlorofluoromethane	B1924-4176	0.51	0.51	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1924-4176	0.44	0.44	ppb	U
75-35-4	1,1-Dichloroethene	B1924-4176	0.71	0.71	ppb	U
67-64-1	Acetone	B1924-4176	6.65	**23.5**	ppb	Y
75-15-0	Carbon disulfide	B1924-4176	0.48	0.48	ppb	U
75-09-2	Methylene Chloride	B1924-4176	0.63	**6.58**	ppb	
156-60-5	t-1,2-Dichloroethene	B1924-4176	0.62	0.62	ppb	U
1634-04-4	Methyl t-butyl ether	B1924-4176	1.01	1.01	ppb	U
75-34-3	1,1-Dichloroethane	B1924-4176	0.50	0.50	ppb	U
590-20-7	2,2-Dichloropropane	B1924-4176	0.41	0.41	ppb	U
156-59-2	c-1,2-Dichloroethene	B1924-4176	0.66	0.66	ppb	U
78-93-3	2-Butanone	B1924-4176	5.82	5.82	ppb	U
74-97-5	Bromochloromethane	B1924-4176	0.70	0.70	ppb	U
67-66-3	Chloroform	B1924-4176	0.44	0.44	ppb	U
71-55-6	1,1,1-Trichloroethane	B1924-4176	0.59	0.59	ppb	U
56-23-5	Carbon Tetrachloride	B1924-4176	0.67	0.67	ppb	U
563-58-6	1,1-Dichloropropene	B1924-4176	0.62	0.62	ppb	U
71-43-2	Benzene	B1924-4176	0.60	**0.88**	ppb	Y
107-06-2	1,2-Dichloroethane	B1924-4176	0.55	0.55	ppb	U
79-01-6	Trichloroethene	B1924-4176	0.57	0.57	ppb	U
78-87-5	1,2-Dichloropropane	B1924-4176	0.48	0.48	ppb	U
74-95-3	Dibromomethane	B1924-4176	0.82	0.82	ppb	U
75-27-4	Bromodichloromethane	B1924-4176	0.50	0.50	ppb	U
110-75-8	2-Chloroethylvinylether	B1924-4176	2.64	2.64	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1924-4176	0.54	0.54	ppb	U
108-10-1	4-Methyl-2-pentanone	B1924-4176	5.65	5.65	ppb	U
108-88-3	Toluene	B1924-4176	0.57	0.57	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1924-4176	0.51	0.51	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1924-4176	0.52	0.52	ppb	U
127-18-4	Tetrachloroethene	B1924-4176	1.09	1.09	ppb	U
142-28-9	1,3-Dichloropropane	B1924-4176	0.74	0.74	ppb	U
591-78-6	2-Hexanone	B1924-4176	5.44	5.44	ppb	U
124-48-1	Dibromochloromethane	B1924-4176	0.65	0.65	ppb	U
106-93-4	1,2-Dibromoethane	B1924-4176	0.52	0.52	ppb	U
108-90-7	Chlorobenzene	B1924-4176	0.51	0.51	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1924-4176	0.54	0.54	ppb	U
100-41-4	Ethylbenzene	B1924-4176	0.29	0.29	ppb	U
108-38-3	m,p-xylene	B1924-4176	1.01	1.01	ppb	U
95-47-6	o-xylene	B1924-4176	0.51	0.51	ppb	U
100-42-5	Styrene	B1924-4176	0.52	0.52	ppb	U
75-25-2	Bromoform	B1924-4176	0.84	0.84	ppb	U
98-82-8	Isopropylbenzene	B1924-4176	0.41	**5.37**	ppb	Y
108-86-1	Bromobenzene	B1924-4176	0.29	0.29	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1924-4176	0.76	0.76	ppb	U
103-65-1	n-Propylbenzene	B1924-4176	0.41	**1.55**	ppb	Y
96-18-4	1,2,3-Trichloropropane	B1924-4176	1.63	1.63	ppb	U
622-96-8	p-Ethyltoluene	B1924-4176	0.34	0.34	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1924-4176	0.70	0.70	ppb	U
95-49-8	2-Chlorotoluene	B1924-4176	0.41	0.41	ppb	U
106-43-4	4-Chlorotoluene	B1924-4176	0.43	0.43	ppb	U
98-06-6	tert-Butylbenzene	B1924-4176	0.34	**0.88**	ppb	Y
95-63-6	1,2,4-Trimethylbenzene	B1924-4176	0.77	0.77	ppb	U
135-98-8	sec-Butylbenzene	B1924-4176	0.39	**10.6**	ppb	
99-87-6	4-Isopropyltoluene	B1924-4176	0.50	0.50	ppb	U
541-73-1	1,3-Dichlorobenzene	B1924-4176	0.43	0.43	ppb	U
106-46-7	1,4-Dichlorobenzene	B1924-4176	0.43	0.43	ppb	U
95-50-1	1,2-Dichlorobenzene	B1924-4176	0.48	0.48	ppb	U
105-05-5	p-Diethylbenzene	B1924-4176	0.68	**8.29**	ppb	
104-51-8	n-Butylbenzene	B1924-4176	0.79	0.79	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1924-4176	0.81	**22.8**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	B1924-4176	1.60	1.60	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1924-4176	1.05	1.05	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1924-4176	0.39	0.39	ppb	U
91-20-3	Naphthalene	B1924-4176	1.17	1.17	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1924-4176	1.00	1.00	ppb	U
994-05-8	TAME	B1924-4176	0.57	0.57	ppb	U
75-65-0	Tertiary butyl alcohol	B1924-4176	14.0	14.0	ppb	U
107-13-1	Acrylonitrile	B1924-4176	4.93	4.93	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4176	95.9 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4176	95.5 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4176	98.2 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	A1433-8016	472	472	ppb	U
111-44-4	bis(2-Chloroethyl)ether	A1433-8016	97.6	97.6	ppb	U
95-57-8	2-Chlorophenol	A1433-8016	93.9	93.9	ppb	U
541-73-1	1,3-Dichlorobenzene	A1433-8016	89.1	89.1	ppb	U
106-46-7	1,4-Dichlorobenzene	A1433-8016	90.3	90.3	ppb	U
100-51-6	Benzyl alcohol	A1433-8016	109	109	ppb	U
95-50-1	1,2-Dichlorobenzene	A1433-8016	81.7	81.7	ppb	U
95-48-7	2-Methylphenol	A1433-8016	120	120	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	A1433-8016	81.7	81.7	ppb	U
106-44-5	3+4-Methylphenol	A1433-8016	95.2	95.2	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	A1433-8016	69.5	69.5	ppb	U
67-72-1	Hexachloroethane	A1433-8016	74.4	74.4	ppb	U
98-95-3	Nitrobenzene	A1433-8016	107	107	ppb	U
78-59-1	Isophorone	A1433-8016	89.1	89.1	ppb	U
88-75-5	2-Nitrophenol	A1433-8016	58.6	58.6	ppb	U
105-67-9	2,4-Dimethylphenol	A1433-8016	84.2	84.2	ppb	U
65-85-0	Benzoic acid	A1433-8016	830	830	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	A1433-8016	87.8	87.8	ppb	U
120-83-2	2,4-Dichlorophenol	A1433-8016	85.4	85.4	ppb	U
120-82-1	1,2,4-Trichlorobenzene	A1433-8016	92.7	92.7	ppb	U
91-20-3	Naphthalene	A1433-8016	100	100	ppb	U
106-47-8	4-Chloroaniline	A1433-8016	98.8	98.8	ppb	U
87-68-3	Hexachlorobutadiene	A1433-8016	92.7	92.7	ppb	U
59-50-7	4-Chloro-3-methylphenol	A1433-8016	89.1	89.1	ppb	U
91-57-6	2-Methylnaphthalene	A1433-8016	105	105	ppb	U
77-47-4	Hexachlorocyclopentadiene	A1433-8016	580	580	ppb	U
88-06-2	2,4,6-Trichlorophenol	A1433-8016	87.8	87.8	ppb	U
95-95-4	2,4,5-Trichlorophenol	A1433-8016	116	116	ppb	U
91-58-7	2-Chloronaphthalene	A1433-8016	101	101	ppb	U
88-74-4	2-Nitroaniline	A1433-8016	112	112	ppb	U
131-11-3	Dimethyl phthalate	A1433-8016	102	102	ppb	U
208-96-8	Acenaphthylene	A1433-8016	98.8	98.8	ppb	U
606-20-2	2,6-Dinitrotoluene	A1433-8016	75.6	75.6	ppb	U
99-09-2	3-Nitroaniline	A1433-8016	112	112	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	A1433-8016	102	102	ppb	U
51-28-5	2,4-Dinitrophenol	A1433-8016	4070	4070	ppb	U
100-02-7	4-Nitrophenol	A1433-8016	712	712	ppb	U
132-64-9	Dibenzofuran	A1433-8016	96.4	96.4	ppb	U
121-14-2	2,4-Dinitrotoluene	A1433-8016	75.6	75.6	ppb	U
84-66-2	Diethylphthalate	A1433-8016	159	159	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	A1433-8016	104	104	ppb	U
86-73-7	Fluorene	A1433-8016	104	104	ppb	U
100-01-6	4-Nitroaniline	A1433-8016	100	100	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	A1433-8016	3750	3750	ppb	U
86-30-6	N-nitrosodiphenylamine	A1433-8016	96.4	96.4	ppb	U
101-55-3	4-Bromophenyl-phenylether	A1433-8016	105	105	ppb	U
118-74-1	Hexachlorobenzene	A1433-8016	105	105	ppb	U
87-86-5	Pentachlorophenol	A1433-8016	1770	1770	ppb	U
85-01-8	Phenanthrene	A1433-8016	110	110	ppb	U
120-12-7	Anthracene	A1433-8016	106	106	ppb	U
84-74-2	Di-n-butylphthalate	A1433-8016	110	**52.6**	ppb	J
206-44-0	Fluoranthene	A1433-8016	106	**43.0**	ppb	J
129-00-0	Pyrene	A1433-8016	101	**44.0**	ppb	J
85-68-7	Butylbenzylphthalate	A1433-8016	106	106	ppb	U
91-94-1	3,3'-Dichlorobenzidine	A1433-8016	461	461	ppb	U
56-55-3	Benzo(a)anthracene	A1433-8016	95.2	95.2	ppb	U
218-01-9	Chrysene	A1433-8016	109	109	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	A1433-8016	112	112	ppb	U
117-84-0	Di-n-octylphthalate	A1433-8016	84.2	84.2	ppb	U
205-99-2	Benzo(b)fluoranthene	A1433-8016	109	109	ppb	U
207-08-9	Benzo(k)fluoranthene	A1433-8016	92.7	92.7	ppb	U
50-32-8	Benzo(a)pyrene	A1433-8016	58.6	58.6	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	A1433-8016	401	401	ppb	U
53-70-3	Dibenzo(a,h)anthracene	A1433-8016	423	423	ppb	U
191-24-2	Benzo(g,h,i)perylene	A1433-8016	426	426	ppb	U

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks:
Analyzed Date: 12/03/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	A1433-8016	56.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	A1433-8016	47.2 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	A1433-8016	51.3 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	A1433-8016	50.6 %	(23 - 120)	
13127-88-3	PHENOL-D6	A1433-8016	53.5 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	A1433-8016	52.5 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511545-5
Client Sample ID: MW-13-5-10ft (Dry)
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 16:00
% Solid: 90.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1924-4175	0.91	0.91	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4175	97.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4175	92.6 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4175	101.0 %	(80 - 121)	

Sample: 0511545-6
Client Sample ID: MW13-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 11/30/2005

Type: Composite

Collected: 11/28/2005 16:10
% Solid: 82.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1924-4176	1.01	1.01	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1924-4176	95.9 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1924-4176	95.5 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1924-4176	98.2 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:

- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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12/07/2005

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).

Y - The concentration reported was detected below the lowest calibration standard concentration.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

x - Outside Expected Range

ETL

Environmental Testing Laboratories, Inc.
208 Route 109 • Farmingdale • New York 11735
631-249-1456 • Fax: 631-249-8344

CHAIN OF CUSTODY DOCUMENT

N 11610

Project Name: Getty SSDU4 | Project Manager: Scott C. | Sampler (Signature): Kat Dyer | (Print): Kristen Discenza

Project Address: 5510 Broadway, Bronx

Client: Three-Lattam | J/N: | ☐ Rush by / /

SAMPLE INFO Type: SS = Split Spoon; G = Grab; C = Composite; B = Blank; Matrix: L = Liquid; S = Soil; SL = Sludge; A* = Air; W = Wipe | *Air - Vol. (Liters) include: Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location	Total. # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals	pH/Flash/React	418.1 - TRPH
1	11/28	12:00	C	S	MW12 - 10-15ft (Dry)	2			X	X	X					
2	↓	12:10	↓	↓	MW12 - 15-20ft	↓			↓	↓	↓					
3	↓	2:30	↓	↓	MW11 - 10-15ft (Dry)	↓			↓	↓	↓					
4	↓	2:40	↓	↓	MW11 - 15-20ft	↓			↓	↓	↓					
5	↓	4:00	↓	↓	MW13 - 5-10ft (Dry)	↓			↓	↓	↓					
6	↓	4:10	↓	↓	MW13 - 10-15ft	↓			↓	↓	↓					
7																
8																
9																
10																
11																
12																
13																
14																
15																

Relinquished by (Signature):	Date	Printed Name & Agent:	Received by (Signature):	Date / Time	Printed Name & Agent
Kat Dyer	11/29/05 Time 15:45	Kristen Discenza TBES			
Relinquished by (Signature):	**Date / Time**	**Printed Name & Agent:**	**Received for Lab by (Signature):**	**Date / Time**	**Printed Name**
			[signature]	11/29 5:43	Kyle G. Beck

Comments & Special Instructions	QA/QC Type:	Number & Type of Containers:	Preservatives:	Temp:
		4 - 8oz Jars 1 - 4oz Jar	None	5°C

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Laboratory Identifier: 0511546
Custody Document: N1609
Received: 11/29/2005 15:43
Sampled by: Kristen DiScenza
Job Number: 857851

Client: Tyree Organization (Dept 20)
1 Northway Lane
Latham,
NY 12110

Project: Getty #58014
5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Scott Cunningham

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

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Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1926-4221	0.31	0.31	ppb	U
75-45-6	Chlorodifluoromethane	B1926-4221	0.55	0.55	ppb	U
74-87-3	Chloromethane	B1926-4221	0.94	0.94	ppb	U
75-01-4	Vinyl Chloride	B1926-4221	0.55	0.55	ppb	U
74-83-9	Bromomethane	B1926-4221	0.35	0.35	ppb	U
75-00-3	Chloroethane	B1926-4221	0.52	0.52	ppb	U
75-69-4	Trichlorofluoromethane	B1926-4221	0.47	0.47	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1926-4221	0.41	0.41	ppb	U
75-35-4	1,1-Dichloroethene	B1926-4221	0.66	0.66	ppb	U
67-64-1	Acetone	B1926-4221	6.16	6.16	ppb	U
75-15-0	Carbon disulfide	B1926-4221	0.44	0.44	ppb	U
75-09-2	Methylene Chloride	B1926-4221	0.59	0.59	ppb	U
156-60-5	t-1,2-Dichloroethene	B1926-4221	0.58	0.58	ppb	U
1634-04-4	Methyl t-butyl ether	B1926-4221	0.94	**2.29**	ppb	Y
75-34-3	1,1-Dichloroethane	B1926-4221	0.46	0.46	ppb	U
590-20-7	2,2-Dichloropropane	B1926-4221	0.38	0.38	ppb	U
156-59-2	c-1,2-Dichloroethene	B1926-4221	0.61	0.61	ppb	U
78-93-3	2-Butanone	B1926-4221	5.39	5.39	ppb	U
74-97-5	Bromochloromethane	B1926-4221	0.64	0.64	ppb	U
67-66-3	Chloroform	B1926-4221	0.41	0.41	ppb	U
71-55-6	1,1,1-Trichloroethane	B1926-4221	0.54	0.54	ppb	U
56-23-5	Carbon Tetrachloride	B1926-4221	0.62	0.62	ppb	U
563-58-6	1,1-Dichloropropene	B1926-4221	0.58	0.58	ppb	U
71-43-2	Benzene	B1926-4221	0.55	0.55	ppb	U
107-06-2	1,2-Dichloroethane	B1926-4221	0.51	0.51	ppb	U
79-01-6	Trichloroethene	B1926-4221	0.53	0.53	ppb	U
78-87-5	1,2-Dichloropropane	B1926-4221	0.44	0.44	ppb	U
74-95-3	Dibromomethane	B1926-4221	0.76	0.76	ppb	U
75-27-4	Bromodichloromethane	B1926-4221	0.46	0.46	ppb	U
110-75-8	2-Chloroethylvinylether	B1926-4221	2.44	2.44	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1926-4221	0.50	0.50	ppb	U
108-10-1	4-Methyl-2-pentanone	B1926-4221	5.23	5.23	ppb	U
108-88-3	Toluene	B1926-4221	0.53	0.53	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1926-4221	0.47	0.47	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1926-4221	0.49	0.49	ppb	U
127-18-4	Tetrachloroethene	B1926-4221	1.01	1.01	ppb	U
142-28-9	1,3-Dichloropropane	B1926-4221	0.69	0.69	ppb	U
591-78-6	2-Hexanone	B1926-4221	5.04	5.04	ppb	U
124-48-1	Dibromochloromethane	B1926-4221	0.60	0.60	ppb	U
106-93-4	1,2-Dibromoethane	B1926-4221	0.49	0.49	ppb	U
108-90-7	Chlorobenzene	B1926-4221	0.47	0.47	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1926-4221	0.50	0.50	ppb	U
100-41-4	Ethylbenzene	B1926-4221	0.27	0.27	ppb	U
108-38-3	m,p-xylene	B1926-4221	0.94	0.94	ppb	U
95-47-6	o-xylene	B1926-4221	0.47	0.47	ppb	U
100-42-5	Styrene	B1926-4221	0.49	0.49	ppb	U
75-25-2	Bromoform	B1926-4221	0.78	0.78	ppb	U
98-82-8	Isopropylbenzene	B1926-4221	0.38	0.38	ppb	U
108-86-1	Bromobenzene	B1926-4221	0.27	0.27	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1926-4221	0.70	0.70	ppb	U
103-65-1	n-Propylbenzene	B1926-4221	0.38	0.38	ppb	U
96-18-4	1,2,3-Trichloropropane	B1926-4221	1.51	1.51	ppb	U
622-96-8	p-Ethyltoluene	B1926-4221	0.32	0.32	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1926-4221	0.64	0.64	ppb	U
95-49-8	2-Chlorotoluene	B1926-4221	0.38	0.38	ppb	U
106-43-4	4-Chlorotoluene	B1926-4221	0.40	0.40	ppb	U
98-06-6	tert-Butylbenzene	B1926-4221	0.32	0.32	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1926-4221	0.71	0.71	ppb	U
135-98-8	sec-Butylbenzene	B1926-4221	0.36	0.36	ppb	U
99-87-6	4-Isopropyltoluene	B1926-4221	0.46	0.46	ppb	U
541-73-1	1,3-Dichlorobenzene	B1926-4221	0.40	0.40	ppb	U
106-46-7	1,4-Dichlorobenzene	B1926-4221	0.40	0.40	ppb	U
95-50-1	1,2-Dichlorobenzene	B1926-4221	0.44	0.44	ppb	U
105-05-5	p-Diethylbenzene	B1926-4221	0.63	0.63	ppb	U
104-51-8	n-Butylbenzene	B1926-4221	0.73	0.73	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1926-4221	0.75	0.75	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1926-4221	1.48	1.48	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1926-4221	0.97	0.97	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1926-4221	0.36	0.36	ppb	U
91-20-3	Naphthalene	B1926-4221	1.08	1.08	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1926-4221	0.93	0.93	ppb	U
994-05-8	TAME	B1926-4221	0.53	0.53	ppb	U
75-65-0	Tertiary butyl alcohol	B1926-4221	13.0	13.0	ppb	U
107-13-1	Acrylonitrile	B1926-4221	4.57	4.57	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1926-4221	93.9 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1926-4221	93.4 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1926-4221	102.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	B1890-8358	512	512	ppb	U
111-44-4	bis(2-Chloroethyl)ether	B1890-8358	93.8	93.8	ppb	U
95-57-8	2-Chlorophenol	B1890-8358	88.1	88.1	ppb	U
541-73-1	1,3-Dichlorobenzene	B1890-8358	89.3	89.3	ppb	U
106-46-7	1,4-Dichlorobenzene	B1890-8358	89.3	89.3	ppb	U
100-51-6	Benzyl alcohol	B1890-8358	125	125	ppb	U
95-50-1	1,2-Dichlorobenzene	B1890-8358	105	105	ppb	U
95-48-7	2-Methylphenol	B1890-8358	118	118	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B1890-8358	107	107	ppb	U
106-44-5	3+4-Methylphenol	B1890-8358	137	137	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	B1890-8358	90.4	90.4	ppb	U
67-72-1	Hexachloroethane	B1890-8358	105	105	ppb	U
98-95-3	Nitrobenzene	B1890-8358	74.6	74.6	ppb	U
78-59-1	Isophorone	B1890-8358	99.4	99.4	ppb	U
88-75-5	2-Nitrophenol	B1890-8358	37.3	37.3	ppb	U
105-67-9	2,4-Dimethylphenol	B1890-8358	94.9	94.9	ppb	U
65-85-0	Benzoic acid	B1890-8358	805	805	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	B1890-8358	98.3	98.3	ppb	U
120-83-2	2,4-Dichlorophenol	B1890-8358	87.0	87.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1890-8358	99.4	99.4	ppb	U
91-20-3	Naphthalene	B1890-8358	96.1	**24.5**	ppb	J
106-47-8	4-Chloroaniline	B1890-8358	103	103	ppb	U
87-68-3	Hexachlorobutadiene	B1890-8358	82.5	82.5	ppb	U
59-50-7	4-Chloro-3-methylphenol	B1890-8358	81.4	81.4	ppb	U
91-57-6	2-Methylnaphthalene	B1890-8358	130	**31.3**	ppb	J
77-47-4	Hexachlorocyclopentadiene	B1890-8358	38.4	38.4	ppb	U
88-06-2	2,4,6-Trichlorophenol	B1890-8358	76.8	76.8	ppb	U
95-95-4	2,4,5-Trichlorophenol	B1890-8358	96.1	96.1	ppb	U
91-58-7	2-Chloronaphthalene	B1890-8358	83.6	83.6	ppb	U
88-74-4	2-Nitroaniline	B1890-8358	112	112	ppb	U
131-11-3	Dimethyl phthalate	B1890-8358	89.3	89.3	ppb	U
208-96-8	Acenaphthylene	B1890-8358	96.1	**32.8**	ppb	J
606-20-2	2,6-Dinitrotoluene	B1890-8358	102	102	ppb	U
99-09-2	3-Nitroaniline	B1890-8358	104	104	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	B1890-8358	103	103	ppb	U
51-28-5	2,4-Dinitrophenol	B1890-8358	2100	2100	ppb	U
100-02-7	4-Nitrophenol	B1890-8358	993	993	ppb	U
132-64-9	Dibenzofuran	B1890-8358	145	145	ppb	U
121-14-2	2,4-Dinitrotoluene	B1890-8358	80.2	80.2	ppb	U
84-66-2	Diethylphthalate	B1890-8358	175	175	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	B1890-8358	104	104	ppb	U
86-73-7	Fluorene	B1890-8358	98.3	98.3	ppb	U
100-01-6	4-Nitroaniline	B1890-8358	128	128	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B1890-8358	1060	1060	ppb	U
86-30-6	N-nitrosodiphenylamine	B1890-8358	113	113	ppb	U
101-55-3	4-Bromophenyl-phenylether	B1890-8358	96.1	96.1	ppb	U
118-74-1	Hexachlorobenzene	B1890-8358	107	107	ppb	U
87-86-5	Pentachlorophenol	B1890-8358	539	539	ppb	U
85-01-8	Phenanthrene	B1890-8358	103	**209**	ppb	Y
120-12-7	Anthracene	B1890-8358	108	**53.5**	ppb	J
84-74-2	Di-n-butylphthalate	B1890-8358	112	**100**	ppb	J
206-44-0	Fluoranthene	B1890-8358	116	**311**	ppb	Y
129-00-0	Pyrene	B1890-8358	104	**253**	ppb	Y
85-68-7	Butylbenzylphthalate	B1890-8358	89.3	89.3	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B1890-8358	557	557	ppb	U
56-55-3	Benzo(a)anthracene	B1890-8358	106	**189**	ppb	Y
218-01-9	Chrysene	B1890-8358	103	**208**	ppb	Y
117-81-7	bis(2-Ethylhexyl)phthalate	B1890-8358	116	**43.0**	ppb	J
117-84-0	Di-n-octylphthalate	B1890-8358	104	104	ppb	U
205-99-2	Benzo(b)fluoranthene	B1890-8358	92.7	**157**	ppb	Y
207-08-9	Benzo(k)fluoranthene	B1890-8358	123	**184**	ppb	Y
50-32-8	Benzo(a)pyrene	B1890-8358	94.9	**161**	ppb	Y
193-39-5	Indeno(1,2,3-cd)pyrene	B1890-8358	96.1	**118**	ppb	Y
53-70-3	Dibenzo(a,h)anthracene	B1890-8358	90.4	**42.0**	ppb	J
191-24-2	Benzo(g,h,i)perylene	B1890-8358	97.2	**149**	ppb	Y

* Results are reported on a dry weight basis

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1890-8358	81.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B1890-8358	59.6 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B1890-8358	49.8 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B1890-8358	48.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	B1890-8358	52.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B1890-8358	61.0 %	(18 - 137)	

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1928-4259	1.61	1.61	ppb	U
75-45-6	Chlorodifluoromethane	B1928-4259	2.93	2.93	ppb	U
74-87-3	Chloromethane	B1928-4259	4.96	4.96	ppb	U
75-01-4	Vinyl Chloride	B1928-4259	2.93	2.93	ppb	U
74-83-9	Bromomethane	B1928-4259	1.85	1.85	ppb	U
75-00-3	Chloroethane	B1928-4259	2.75	2.75	ppb	U
75-69-4	Trichlorofluoromethane	B1928-4259	2.51	2.51	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1928-4259	2.15	2.15	ppb	U
75-35-4	1,1-Dichloroethene	B1928-4259	3.46	3.46	ppb	U
67-64-1	Acetone	B1928-4259	32.5	**76.7**	ppb	Y
75-15-0	Carbon disulfide	B1928-4259	2.33	2.33	ppb	U
75-09-2	Methylene Chloride	B1928-4259	3.10	3.10	ppb	U
156-60-5	t-1,2-Dichloroethene	B1928-4259	3.04	3.04	ppb	U
1634-04-4	Methyl t-butyl ether	B1928-4259	4.96	4.96	ppb	U
75-34-3	1,1-Dichloroethane	B1928-4259	2.45	2.45	ppb	U
590-20-7	2,2-Dichloropropane	B1928-4259	2.03	2.03	ppb	U
156-59-2	c-1,2-Dichloroethene	B1928-4259	3.22	3.22	ppb	U
78-93-3	2-Butanone	B1928-4259	28.5	28.5	ppb	U
74-97-5	Bromochloromethane	B1928-4259	3.40	3.40	ppb	U
67-66-3	Chloroform	B1928-4259	2.15	2.15	ppb	U
71-55-6	1,1,1-Trichloroethane	B1928-4259	2.87	2.87	ppb	U
56-23-5	Carbon Tetrachloride	B1928-4259	3.28	3.28	ppb	U
563-58-6	1,1-Dichloropropene	B1928-4259	3.04	3.04	ppb	U
71-43-2	Benzene	B1928-4259	2.93	2.93	ppb	U
107-06-2	1,2-Dichloroethane	B1928-4259	2.69	2.69	ppb	U
79-01-6	Trichloroethene	B1928-4259	2.81	2.81	ppb	U
78-87-5	1,2-Dichloropropane	B1928-4259	2.33	2.33	ppb	U
74-95-3	Dibromomethane	B1928-4259	4.00	4.00	ppb	U
75-27-4	Bromodichloromethane	B1928-4259	2.45	2.45	ppb	U
110-75-8	2-Chloroethylvinylether	B1928-4259	12.9	12.9	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1928-4259	2.63	2.63	ppb	U
108-10-1	4-Methyl-2-pentanone	B1928-4259	27.6	27.6	ppb	U
108-88-3	Toluene	B1928-4259	2.81	2.81	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1928-4259	2.51	2.51	ppb	U

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1928-4259	2.57	2.57	ppb	U
127-18-4	Tetrachloroethene	B1928-4259	5.31	5.31	ppb	U
142-28-9	1,3-Dichloropropane	B1928-4259	3.64	3.64	ppb	U
591-78-6	2-Hexanone	B1928-4259	26.6	26.6	ppb	U
124-48-1	Dibromochloromethane	B1928-4259	3.16	3.16	ppb	U
106-93-4	1,2-Dibromoethane	B1928-4259	2.57	2.57	ppb	U
108-90-7	Chlorobenzene	B1928-4259	2.51	2.51	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1928-4259	2.63	2.63	ppb	U
100-41-4	Ethylbenzene	B1928-4259	1.43	1.43	ppb	U
108-38-3	m,p-xylene	B1928-4259	4.96	4.96	ppb	U
95-47-6	o-xylene	B1928-4259	2.51	2.51	ppb	U
100-42-5	Styrene	B1928-4259	2.57	2.57	ppb	U
75-25-2	Bromoform	B1928-4259	4.12	4.12	ppb	U
98-82-8	Isopropylbenzene	B1928-4259	2.03	**38.0**	ppb	
108-86-1	Bromobenzene	B1928-4259	1.43	1.43	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1928-4259	3.70	3.70	ppb	U
103-65-1	n-Propylbenzene	B1928-4259	2.03	**111**	ppb	
96-18-4	1,2,3-Trichloropropane	B1928-4259	8.00	8.00	ppb	U
622-96-8	p-Ethyltoluene	B1928-4259	1.67	1.67	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1928-4259	3.40	3.40	ppb	U
95-49-8	2-Chlorotoluene	B1928-4259	2.03	2.03	ppb	U
106-43-4	4-Chlorotoluene	B1928-4259	2.09	2.09	ppb	U
98-06-6	tert-Butylbenzene	B1928-4259	1.67	1.67	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1928-4259	3.76	3.76	ppb	U
135-98-8	sec-Butylbenzene	B1928-4259	1.91	**24.2**	ppb	Y
99-87-6	4-Isopropyltoluene	B1928-4259	2.45	2.45	ppb	U
541-73-1	1,3-Dichlorobenzene	B1928-4259	2.09	2.09	ppb	U
106-46-7	1,4-Dichlorobenzene	B1928-4259	2.09	2.09	ppb	U
95-50-1	1,2-Dichlorobenzene	B1928-4259	2.33	2.33	ppb	U
105-05-5	p-Diethylbenzene	B1928-4259	3.34	**35.3**	ppb	
104-51-8	n-Butylbenzene	B1928-4259	3.88	3.88	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1928-4259	3.94	**151**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	B1928-4259	7.82	7.82	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1928-4259	5.13	5.13	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1928-4259	1.91	1.91	ppb	U
91-20-3	Naphthalene	B1928-4259	5.73	5.73	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1928-4259	4.90	4.90	ppb	U
994-05-8	TAME	B1928-4259	2.81	2.81	ppb	U
75-65-0	Tertiary butyl alcohol	B1928-4259	68.7	68.7	ppb	U
107-13-1	Acrylonitrile	B1928-4259	24.1	24.1	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4259	97.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4259	101.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4259	101.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	B1890-8355	539	539	ppb	U
111-44-4	bis(2-Chloroethyl)ether	B1890-8355	98.8	98.8	ppb	U
95-57-8	2-Chlorophenol	B1890-8355	92.8	92.8	ppb	U
541-73-1	1,3-Dichlorobenzene	B1890-8355	94.0	94.0	ppb	U
106-46-7	1,4-Dichlorobenzene	B1890-8355	94.0	94.0	ppb	U
100-51-6	Benzyl alcohol	B1890-8355	132	132	ppb	U
95-50-1	1,2-Dichlorobenzene	B1890-8355	111	111	ppb	U
95-48-7	2-Methylphenol	B1890-8355	124	124	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B1890-8355	113	113	ppb	U
106-44-5	3+4-Methylphenol	B1890-8355	144	144	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	B1890-8355	95.2	95.2	ppb	U
67-72-1	Hexachloroethane	B1890-8355	111	111	ppb	U
98-95-3	Nitrobenzene	B1890-8355	78.5	78.5	ppb	U
78-59-1	Isophorone	B1890-8355	105	105	ppb	U
88-75-5	2-Nitrophenol	B1890-8355	39.3	39.3	ppb	U
105-67-9	2,4-Dimethylphenol	B1890-8355	100	100	ppb	U
65-85-0	Benzoic acid	B1890-8355	847	847	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	B1890-8355	104	104	ppb	U
120-83-2	2,4-Dichlorophenol	B1890-8355	91.6	91.6	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1890-8355	105	105	ppb	U
91-20-3	Naphthalene	B1890-8355	101	101	ppb	U
106-47-8	4-Chloroaniline	B1890-8355	108	108	ppb	U
87-68-3	Hexachlorobutadiene	B1890-8355	86.9	86.9	ppb	U
59-50-7	4-Chloro-3-methylphenol	B1890-8355	85.7	85.7	ppb	U
91-57-6	2-Methylnaphthalene	B1890-8355	137	137	ppb	U
77-47-4	Hexachlorocyclopentadiene	B1890-8355	40.5	40.5	ppb	U
88-06-2	2,4,6-Trichlorophenol	B1890-8355	80.9	80.9	ppb	U
95-95-4	2,4,5-Trichlorophenol	B1890-8355	101	101	ppb	U
91-58-7	2-Chloronaphthalene	B1890-8355	88.1	88.1	ppb	U
88-74-4	2-Nitroaniline	B1890-8355	118	118	ppb	U
131-11-3	Dimethyl phthalate	B1890-8355	94.0	94.0	ppb	U
208-96-8	Acenaphthylene	B1890-8355	101	101	ppb	U
606-20-2	2,6-Dinitrotoluene	B1890-8355	107	107	ppb	U
99-09-2	3-Nitroaniline	B1890-8355	109	109	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	B1890-8355	108	108	ppb	U
51-28-5	2,4-Dinitrophenol	B1890-8355	2210	2210	ppb	U
100-02-7	4-Nitrophenol	B1890-8355	1050	1050	ppb	U
132-64-9	Dibenzofuran	B1890-8355	152	152	ppb	U
121-14-2	2,4-Dinitrotoluene	B1890-8355	84.5	84.5	ppb	U
84-66-2	Diethylphthalate	B1890-8355	184	184	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	B1890-8355	109	109	ppb	U
86-73-7	Fluorene	B1890-8355	104	**24.6**	ppb	J
100-01-6	4-Nitroaniline	B1890-8355	134	134	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B1890-8355	1120	1120	ppb	U
86-30-6	N-nitrosodiphenylamine	B1890-8355	119	119	ppb	U
101-55-3	4-Bromophenyl-phenylether	B1890-8355	101	101	ppb	U
118-74-1	Hexachlorobenzene	B1890-8355	113	113	ppb	U
87-86-5	Pentachlorophenol	B1890-8355	568	568	ppb	U
85-01-8	Phenanthrene	B1890-8355	108	**33.3**	ppb	J
120-12-7	Anthracene	B1890-8355	114	114	ppb	U
84-74-2	Di-n-butylphthalate	B1890-8355	118	**150**	ppb	Y
206-44-0	Fluoranthene	B1890-8355	123	123	ppb	U
129-00-0	Pyrene	B1890-8355	109	109	ppb	U
85-68-7	Butylbenzylphthalate	B1890-8355	94.0	94.0	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B1890-8355	587	587	ppb	U
56-55-3	Benzo(a)anthracene	B1890-8355	112	112	ppb	U
218-01-9	Chrysene	B1890-8355	108	108	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	B1890-8355	123	**44.7**	ppb	J
117-84-0	Di-n-octylphthalate	B1890-8355	109	109	ppb	U
205-99-2	Benzo(b)fluoranthene	B1890-8355	97.6	97.6	ppb	U
207-08-9	Benzo(k)fluoranthene	B1890-8355	130	130	ppb	U
50-32-8	Benzo(a)pyrene	B1890-8355	100	100	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	B1890-8355	101	101	ppb	U
53-70-3	Dibenzo(a,h)anthracene	B1890-8355	95.2	95.2	ppb	U
191-24-2	Benzo(g,h,i)perylene	B1890-8355	102	102	ppb	U

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1890-8355	74.9 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B1890-8355	45.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B1890-8355	43.2 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B1890-8355	40.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	B1890-8355	43.4 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B1890-8355	56.7 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1926-4222	0.29	0.29	ppb	U
75-45-6	Chlorodifluoromethane	B1926-4222	0.53	0.53	ppb	U
74-87-3	Chloromethane	B1926-4222	0.90	0.90	ppb	U
75-01-4	Vinyl Chloride	B1926-4222	0.53	0.53	ppb	U
74-83-9	Bromomethane	B1926-4222	0.33	0.33	ppb	U
75-00-3	Chloroethane	B1926-4222	0.50	0.50	ppb	U
75-69-4	Trichlorofluoromethane	B1926-4222	0.45	0.45	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1926-4222	0.39	0.39	ppb	U
75-35-4	1,1-Dichloroethene	B1926-4222	0.63	0.63	ppb	U
67-64-1	Acetone	B1926-4222	5.89	5.89	ppb	U
75-15-0	Carbon disulfide	B1926-4222	0.42	0.42	ppb	U
75-09-2	Methylene Chloride	B1926-4222	0.56	0.56	ppb	U
156-60-5	t-1,2-Dichloroethene	B1926-4222	0.55	0.55	ppb	U
1634-04-4	Methyl t-butyl ether	B1926-4222	0.90	**2.46**	ppb	Y
75-34-3	1,1-Dichloroethane	B1926-4222	0.44	0.44	ppb	U
590-20-7	2,2-Dichloropropane	B1926-4222	0.37	0.37	ppb	U
156-59-2	c-1,2-Dichloroethene	B1926-4222	0.58	0.58	ppb	U
78-93-3	2-Butanone	B1926-4222	5.15	5.15	ppb	U
74-97-5	Bromochloromethane	B1926-4222	0.62	0.62	ppb	U
67-66-3	Chloroform	B1926-4222	0.39	0.39	ppb	U
71-55-6	1,1,1-Trichloroethane	B1926-4222	0.52	0.52	ppb	U
56-23-5	Carbon Tetrachloride	B1926-4222	0.59	0.59	ppb	U
563-58-6	1,1-Dichloropropene	B1926-4222	0.55	0.55	ppb	U
71-43-2	Benzene	B1926-4222	0.53	0.53	ppb	U
107-06-2	1,2-Dichloroethane	B1926-4222	0.49	0.49	ppb	U
79-01-6	Trichloroethene	B1926-4222	0.51	0.51	ppb	U
78-87-5	1,2-Dichloropropane	B1926-4222	0.42	0.42	ppb	U
74-95-3	Dibromomethane	B1926-4222	0.72	0.72	ppb	U
75-27-4	Bromodichloromethane	B1926-4222	0.44	0.44	ppb	U
110-75-8	2-Chloroethylvinylether	B1926-4222	2.33	2.33	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1926-4222	0.48	0.48	ppb	U
108-10-1	4-Methyl-2-pentanone	B1926-4222	5.00	5.00	ppb	U
108-88-3	Toluene	B1926-4222	0.51	0.51	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1926-4222	0.45	0.45	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1926-4222	0.46	0.46	ppb	U
127-18-4	Tetrachloroethene	B1926-4222	0.96	0.96	ppb	U
142-28-9	1,3-Dichloropropane	B1926-4222	0.66	0.66	ppb	U
591-78-6	2-Hexanone	B1926-4222	4.82	4.82	ppb	U
124-48-1	Dibromochloromethane	B1926-4222	0.57	0.57	ppb	U
106-93-4	1,2-Dibromoethane	B1926-4222	0.46	0.46	ppb	U
108-90-7	Chlorobenzene	B1926-4222	0.45	0.45	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1926-4222	0.48	0.48	ppb	U
100-41-4	Ethylbenzene	B1926-4222	0.26	0.26	ppb	U
108-38-3	m,p-xylene	B1926-4222	0.90	0.90	ppb	U
95-47-6	o-xylene	B1926-4222	0.45	0.45	ppb	U
100-42-5	Styrene	B1926-4222	0.46	0.46	ppb	U
75-25-2	Bromoform	B1926-4222	0.75	0.75	ppb	U
98-82-8	Isopropylbenzene	B1926-4222	0.37	0.37	ppb	U
108-86-1	Bromobenzene	B1926-4222	0.26	0.26	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1926-4222	0.67	0.67	ppb	U
103-65-1	n-Propylbenzene	B1926-4222	0.37	0.37	ppb	U
96-18-4	1,2,3-Trichloropropane	B1926-4222	1.45	1.45	ppb	U
622-96-8	p-Ethyltoluene	B1926-4222	0.30	0.30	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1926-4222	0.62	0.62	ppb	U
95-49-8	2-Chlorotoluene	B1926-4222	0.37	0.37	ppb	U
106-43-4	4-Chlorotoluene	B1926-4222	0.38	0.38	ppb	U
98-06-6	tert-Butylbenzene	B1926-4222	0.30	0.30	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1926-4222	0.68	0.68	ppb	U
135-98-8	sec-Butylbenzene	B1926-4222	0.35	0.35	ppb	U
99-87-6	4-Isopropyltoluene	B1926-4222	0.44	0.44	ppb	U
541-73-1	1,3-Dichlorobenzene	B1926-4222	0.38	0.38	ppb	U
106-46-7	1,4-Dichlorobenzene	B1926-4222	0.38	0.38	ppb	U
95-50-1	1,2-Dichlorobenzene	B1926-4222	0.42	0.42	ppb	U
105-05-5	p-Diethylbenzene	B1926-4222	0.60	0.60	ppb	U
104-51-8	n-Butylbenzene	B1926-4222	0.70	0.70	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1926-4222	0.71	0.71	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1926-4222	1.41	1.41	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1926-4222	0.93	0.93	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1926-4222	0.35	0.35	ppb	U
91-20-3	Naphthalene	B1926-4222	1.04	1.04	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1926-4222	0.89	0.89	ppb	U
994-05-8	TAME	B1926-4222	0.51	0.51	ppb	U
75-65-0	Tertiary butyl alcohol	B1926-4222	12.4	12.4	ppb	U
107-13-1	Acrylonitrile	B1926-4222	4.36	4.36	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1926-4222	96.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1926-4222	91.3 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1926-4222	101.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	B1890-8356	489	489	ppb	U
111-44-4	bis(2-Chloroethyl)ether	B1890-8356	89.6	89.6	ppb	U
95-57-8	2-Chlorophenol	B1890-8356	84.2	84.2	ppb	U
541-73-1	1,3-Dichlorobenzene	B1890-8356	85.3	85.3	ppb	U
106-46-7	1,4-Dichlorobenzene	B1890-8356	85.3	85.3	ppb	U
100-51-6	Benzyl alcohol	B1890-8356	120	120	ppb	U
95-50-1	1,2-Dichlorobenzene	B1890-8356	100	100	ppb	U
95-48-7	2-Methylphenol	B1890-8356	112	112	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B1890-8356	103	103	ppb	U
106-44-5	3+4-Methylphenol	B1890-8356	131	131	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	B1890-8356	86.4	86.4	ppb	U
67-72-1	Hexachloroethane	B1890-8356	100	100	ppb	U
98-95-3	Nitrobenzene	B1890-8356	71.3	71.3	ppb	U
78-59-1	Isophorone	B1890-8356	95.0	95.0	ppb	U
88-75-5	2-Nitrophenol	B1890-8356	35.6	35.6	ppb	U
105-67-9	2,4-Dimethylphenol	B1890-8356	90.7	90.7	ppb	U
65-85-0	Benzoic acid	B1890-8356	769	769	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	B1890-8356	94.0	94.0	ppb	U
120-83-2	2,4-Dichlorophenol	B1890-8356	83.2	83.2	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1890-8356	95.0	95.0	ppb	U
91-20-3	Naphthalene	B1890-8356	91.8	**43.7**	ppb	J
106-47-8	4-Chloroaniline	B1890-8356	98.3	98.3	ppb	U
87-68-3	Hexachlorobutadiene	B1890-8356	78.8	78.8	ppb	U
59-50-7	4-Chloro-3-methylphenol	B1890-8356	77.8	77.8	ppb	U
91-57-6	2-Methylnaphthalene	B1890-8356	124	**30.3**	ppb	J
77-47-4	Hexachlorocyclopentadiene	B1890-8356	36.7	36.7	ppb	U
88-06-2	2,4,6-Trichlorophenol	B1890-8356	73.4	73.4	ppb	U
95-95-4	2,4,5-Trichlorophenol	B1890-8356	91.8	91.8	ppb	U
91-58-7	2-Chloronaphthalene	B1890-8356	79.9	79.9	ppb	U
88-74-4	2-Nitroaniline	B1890-8356	107	107	ppb	U
131-11-3	Dimethyl phthalate	B1890-8356	85.3	85.3	ppb	U
208-96-8	Acenaphthylene	B1890-8356	91.8	91.8	ppb	U
606-20-2	2,6-Dinitrotoluene	B1890-8356	97.2	97.2	ppb	U
99-09-2	3-Nitroaniline	B1890-8356	99.4	99.4	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	B1890-8356	98.3	98.3	ppb	U
51-28-5	2,4-Dinitrophenol	B1890-8356	2010	2010	ppb	U
100-02-7	4-Nitrophenol	B1890-8356	949	949	ppb	U
132-64-9	Dibenzofuran	B1890-8356	138	138	ppb	U
121-14-2	2,4-Dinitrotoluene	B1890-8356	76.7	76.7	ppb	U
84-66-2	Diethylphthalate	B1890-8356	167	167	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	B1890-8356	99.4	99.4	ppb	U
86-73-7	Fluorene	B1890-8356	94.0	94.0	ppb	U
100-01-6	4-Nitroaniline	B1890-8356	122	122	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B1890-8356	1020	1020	ppb	U
86-30-6	N-nitrosodiphenylamine	B1890-8356	108	108	ppb	U
101-55-3	4-Bromophenyl-phenylether	B1890-8356	91.8	91.8	ppb	U
118-74-1	Hexachlorobenzene	B1890-8356	103	103	ppb	U
87-86-5	Pentachlorophenol	B1890-8356	515	515	ppb	U
85-01-8	Phenanthrene	B1890-8356	98.3	**68.0**	ppb	J
120-12-7	Anthracene	B1890-8356	104	104	ppb	U
84-74-2	Di-n-butylphthalate	B1890-8356	107	**79.0**	ppb	J
206-44-0	Fluoranthene	B1890-8356	111	**76.1**	ppb	J
129-00-0	Pyrene	B1890-8356	99.4	**71.5**	ppb	J
85-68-7	Butylbenzylphthalate	B1890-8356	85.3	85.3	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B1890-8356	532	532	ppb	U
56-55-3	Benzo(a)anthracene	B1890-8356	102	**51.9**	ppb	J
218-01-9	Chrysene	B1890-8356	98.3	**42.3**	ppb	J
117-81-7	bis(2-Ethylhexyl)phthalate	B1890-8356	111	**33.2**	ppb	J
117-84-0	Di-n-octylphthalate	B1890-8356	99.4	99.4	ppb	U
205-99-2	Benzo(b)fluoranthene	B1890-8356	88.6	**38.0**	ppb	J
207-08-9	Benzo(k)fluoranthene	B1890-8356	118	**44.0**	ppb	J
50-32-8	Benzo(a)pyrene	B1890-8356	90.7	**43.9**	ppb	J
193-39-5	Indeno(1,2,3-cd)pyrene	B1890-8356	91.8	**29.0**	ppb	J
53-70-3	Dibenzo(a,h)anthracene	B1890-8356	86.4	86.4	ppb	U
191-24-2	Benzo(g,h,i)perylene	B1890-8356	92.9	**47.5**	ppb	J

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1890-8356	77.3 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B1890-8356	54.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B1890-8356	43.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B1890-8356	45.0 %	(23 - 120)	
13127-88-3	PHENOL-D6	B1890-8356	47.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B1890-8356	65.6 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1928-4249	0.68	0.68	ppb	U
75-45-6	Chlorodifluoromethane	B1928-4249	1.24	1.24	ppb	U
74-87-3	Chloromethane	B1928-4249	2.10	2.10	ppb	U
75-01-4	Vinyl Chloride	B1928-4249	1.24	1.24	ppb	U
74-83-9	Bromomethane	B1928-4249	0.78	0.78	ppb	U
75-00-3	Chloroethane	B1928-4249	1.16	1.16	ppb	U
75-69-4	Trichlorofluoromethane	B1928-4249	1.06	1.06	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1928-4249	0.91	0.91	ppb	U
75-35-4	1,1-Dichloroethene	B1928-4249	1.47	1.47	ppb	U
67-64-1	Acetone	B1928-4249	13.8	13.8	ppb	U
75-15-0	Carbon disulfide	B1928-4249	0.99	0.99	ppb	U
75-09-2	Methylene Chloride	B1928-4249	1.32	1.32	ppb	U
156-60-5	t-1,2-Dichloroethene	B1928-4249	1.29	1.29	ppb	U
1634-04-4	Methyl t-butyl ether	B1928-4249	2.10	2.10	ppb	U
75-34-3	1,1-Dichloroethane	B1928-4249	1.04	1.04	ppb	U
590-20-7	2,2-Dichloropropane	B1928-4249	0.86	0.86	ppb	U
156-59-2	c-1,2-Dichloroethene	B1928-4249	1.37	1.37	ppb	U
78-93-3	2-Butanone	B1928-4249	12.1	12.1	ppb	U
74-97-5	Bromochloromethane	B1928-4249	1.44	1.44	ppb	U
67-66-3	Chloroform	B1928-4249	0.91	0.91	ppb	U
71-55-6	1,1,1-Trichloroethane	B1928-4249	1.21	1.21	ppb	U
56-23-5	Carbon Tetrachloride	B1928-4249	1.39	1.39	ppb	U
563-58-6	1,1-Dichloropropene	B1928-4249	1.29	1.29	ppb	U
71-43-2	Benzene	B1928-4249	1.24	1.24	ppb	U
107-06-2	1,2-Dichloroethane	B1928-4249	1.14	1.14	ppb	U
79-01-6	Trichloroethene	B1928-4249	1.19	1.19	ppb	U
78-87-5	1,2-Dichloropropane	B1928-4249	0.99	0.99	ppb	U
74-95-3	Dibromomethane	B1928-4249	1.70	1.70	ppb	U
75-27-4	Bromodichloromethane	B1928-4249	1.04	1.04	ppb	U
110-75-8	2-Chloroethylvinylether	B1928-4249	5.46	5.46	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1928-4249	1.11	1.11	ppb	U
108-10-1	4-Methyl-2-pentanone	B1928-4249	11.7	11.7	ppb	U
108-88-3	Toluene	B1928-4249	1.19	1.19	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1928-4249	1.06	1.06	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1928-4249	1.09	1.09	ppb	U
127-18-4	Tetrachloroethene	B1928-4249	2.25	2.25	ppb	U
142-28-9	1,3-Dichloropropane	B1928-4249	1.54	1.54	ppb	U
591-78-6	2-Hexanone	B1928-4249	11.3	11.3	ppb	U
124-48-1	Dibromochloromethane	B1928-4249	1.34	1.34	ppb	U
106-93-4	1,2-Dibromoethane	B1928-4249	1.09	1.09	ppb	U
108-90-7	Chlorobenzene	B1928-4249	1.06	1.06	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1928-4249	1.11	1.11	ppb	U
100-41-4	Ethylbenzene	B1928-4249	0.61	0.61	ppb	U
108-38-3	m,p-xylene	B1928-4249	2.10	2.10	ppb	U
95-47-6	o-xylene	B1928-4249	1.06	1.06	ppb	U
100-42-5	Styrene	B1928-4249	1.09	1.09	ppb	U
75-25-2	Bromoform	B1928-4249	1.75	1.75	ppb	U
98-82-8	Isopropylbenzene	B1928-4249	0.86	0.86	ppb	U
108-86-1	Bromobenzene	B1928-4249	0.61	0.61	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1928-4249	1.57	1.57	ppb	U
103-65-1	n-Propylbenzene	B1928-4249	0.86	0.86	ppb	U
96-18-4	1,2,3-Trichloropropane	B1928-4249	3.39	3.39	ppb	U
622-96-8	p-Ethyltoluene	B1928-4249	0.71	0.71	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1928-4249	1.44	1.44	ppb	U
95-49-8	2-Chlorotoluene	B1928-4249	0.86	0.86	ppb	U
106-43-4	4-Chlorotoluene	B1928-4249	0.89	0.89	ppb	U
98-06-6	tert-Butylbenzene	B1928-4249	0.71	0.71	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1928-4249	1.59	1.59	ppb	U
135-98-8	sec-Butylbenzene	B1928-4249	0.81	0.81	ppb	U
99-87-6	4-Isopropyltoluene	B1928-4249	1.04	1.04	ppb	U
541-73-1	1,3-Dichlorobenzene	B1928-4249	0.89	0.89	ppb	U
106-46-7	1,4-Dichlorobenzene	B1928-4249	0.89	0.89	ppb	U
95-50-1	1,2-Dichlorobenzene	B1928-4249	0.99	0.99	ppb	U
105-05-5	p-Diethylbenzene	B1928-4249	1.42	1.42	ppb	U
104-51-8	n-Butylbenzene	B1928-4249	1.64	1.64	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1928-4249	1.67	1.67	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1928-4249	3.31	3.31	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1928-4249	2.18	2.18	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1928-4249	0.81	0.81	ppb	U
91-20-3	Naphthalene	B1928-4249	2.43	2.43	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1928-4249	2.07	2.07	ppb	U
994-05-8	TAME	B1928-4249	1.19	1.19	ppb	U
75-65-0	Tertiary butyl alcohol	B1928-4249	29.1	29.1	ppb	U
107-13-1	Acrylonitrile	B1928-4249	10.2	10.2	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4249	99.5 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4249	100.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4249	103.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	B1890-8351	571	571	ppb	U
111-44-4	bis(2-Chloroethyl)ether	B1890-8351	105	105	ppb	U
95-57-8	2-Chlorophenol	B1890-8351	98.3	98.3	ppb	U
541-73-1	1,3-Dichlorobenzene	B1890-8351	99.5	99.5	ppb	U
106-46-7	1,4-Dichlorobenzene	B1890-8351	99.5	99.5	ppb	U
100-51-6	Benzyl alcohol	B1890-8351	140	140	ppb	U
95-50-1	1,2-Dichlorobenzene	B1890-8351	117	117	ppb	U
95-48-7	2-Methylphenol	B1890-8351	131	131	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B1890-8351	120	120	ppb	U
106-44-5	3+4-Methylphenol	B1890-8351	152	152	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	B1890-8351	101	101	ppb	U
67-72-1	Hexachloroethane	B1890-8351	117	117	ppb	U
98-95-3	Nitrobenzene	B1890-8351	83.2	83.2	ppb	U
78-59-1	Isophorone	B1890-8351	111	111	ppb	U
88-75-5	2-Nitrophenol	B1890-8351	41.6	41.6	ppb	U
105-67-9	2,4-Dimethylphenol	B1890-8351	106	106	ppb	U
65-85-0	Benzoic acid	B1890-8351	897	897	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	B1890-8351	110	110	ppb	U
120-83-2	2,4-Dichlorophenol	B1890-8351	97.0	97.0	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1890-8351	111	111	ppb	U
91-20-3	Naphthalene	B1890-8351	107	107	ppb	U
106-47-8	4-Chloroaniline	B1890-8351	115	115	ppb	U
87-68-3	Hexachlorobutadiene	B1890-8351	92.0	92.0	ppb	U
59-50-7	4-Chloro-3-methylphenol	B1890-8351	90.7	90.7	ppb	U
91-57-6	2-Methylnaphthalene	B1890-8351	145	145	ppb	U
77-47-4	Hexachlorocyclopentadiene	B1890-8351	42.8	42.8	ppb	U
88-06-2	2,4,6-Trichlorophenol	B1890-8351	85.7	85.7	ppb	U
95-95-4	2,4,5-Trichlorophenol	B1890-8351	107	107	ppb	U
91-58-7	2-Chloronaphthalene	B1890-8351	93.2	93.2	ppb	U
88-74-4	2-Nitroaniline	B1890-8351	125	125	ppb	U
131-11-3	Dimethyl phthalate	B1890-8351	99.5	99.5	ppb	U
208-96-8	Acenaphthylene	B1890-8351	107	107	ppb	U
606-20-2	2,6-Dinitrotoluene	B1890-8351	113	113	ppb	U
99-09-2	3-Nitroaniline	B1890-8351	116	116	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	B1890-8351	115	115	ppb	U
51-28-5	2,4-Dinitrophenol	B1890-8351	2340	2340	ppb	U
100-02-7	4-Nitrophenol	B1890-8351	1110	1110	ppb	U
132-64-9	Dibenzofuran	B1890-8351	161	161	ppb	U
121-14-2	2,4-Dinitrotoluene	B1890-8351	89.5	89.5	ppb	U
84-66-2	Diethylphthalate	B1890-8351	195	195	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	B1890-8351	116	116	ppb	U
86-73-7	Fluorene	B1890-8351	110	110	ppb	U
100-01-6	4-Nitroaniline	B1890-8351	142	142	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B1890-8351	1180	1180	ppb	U
86-30-6	N-nitrosodiphenylamine	B1890-8351	126	126	ppb	U
101-55-3	4-Bromophenyl-phenylether	B1890-8351	107	107	ppb	U
118-74-1	Hexachlorobenzene	B1890-8351	120	120	ppb	U
87-86-5	Pentachlorophenol	B1890-8351	601	601	ppb	U
85-01-8	Phenanthrene	B1890-8351	115	115	ppb	U
120-12-7	Anthracene	B1890-8351	121	121	ppb	U
84-74-2	Di-n-butylphthalate	B1890-8351	125	**77.7**	ppb	J
206-44-0	Fluoranthene	B1890-8351	130	130	ppb	U
129-00-0	Pyrene	B1890-8351	116	116	ppb	U
85-68-7	Butylbenzylphthalate	B1890-8351	99.5	99.5	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B1890-8351	621	621	ppb	U
56-55-3	Benzo(a)anthracene	B1890-8351	118	118	ppb	U
218-01-9	Chrysene	B1890-8351	115	115	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	B1890-8351	130	**27.0**	ppb	J
117-84-0	Di-n-octylphthalate	B1890-8351	116	116	ppb	U
205-99-2	Benzo(b)fluoranthene	B1890-8351	103	103	ppb	U
207-08-9	Benzo(k)fluoranthene	B1890-8351	137	137	ppb	U
50-32-8	Benzo(a)pyrene	B1890-8351	106	106	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	B1890-8351	107	107	ppb	U
53-70-3	Dibenzo(a,h)anthracene	B1890-8351	101	101	ppb	U
191-24-2	Benzo(g,h,i)perylene	B1890-8351	108	108	ppb	U

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1890-8351	76.1 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B1890-8351	53.1 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B1890-8351	50.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B1890-8351	49.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	B1890-8351	52.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B1890-8351	56.0 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1928-4250	0.32	0.32	ppb	U
75-45-6	Chlorodifluoromethane	B1928-4250	0.57	0.57	ppb	U
74-87-3	Chloromethane	B1928-4250	0.97	0.97	ppb	U
75-01-4	Vinyl Chloride	B1928-4250	0.57	0.57	ppb	U
74-83-9	Bromomethane	B1928-4250	0.36	0.36	ppb	U
75-00-3	Chloroethane	B1928-4250	0.54	0.54	ppb	U
75-69-4	Trichlorofluoromethane	B1928-4250	0.49	0.49	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1928-4250	0.42	0.42	ppb	U
75-35-4	1,1-Dichloroethene	B1928-4250	0.68	0.68	ppb	U
67-64-1	Acetone	B1928-4250	6.38	**152**	ppb	
75-15-0	Carbon disulfide	B1928-4250	0.46	**2.44**	ppb	Y
75-09-2	Methylene Chloride	B1928-4250	0.61	0.61	ppb	U
156-60-5	t-1,2-Dichloroethene	B1928-4250	0.60	0.60	ppb	U
1634-04-4	Methyl t-butyl ether	B1928-4250	0.97	0.97	ppb	U
75-34-3	1,1-Dichloroethane	B1928-4250	0.48	0.48	ppb	U
590-20-7	2,2-Dichloropropane	B1928-4250	0.40	0.40	ppb	U
156-59-2	c-1,2-Dichloroethene	B1928-4250	0.63	0.63	ppb	U
78-93-3	2-Butanone	B1928-4250	5.58	5.58	ppb	U
74-97-5	Bromochloromethane	B1928-4250	0.67	0.67	ppb	U
67-66-3	Chloroform	B1928-4250	0.42	0.42	ppb	U
71-55-6	1,1,1-Trichloroethane	B1928-4250	0.56	0.56	ppb	U
56-23-5	Carbon Tetrachloride	B1928-4250	0.64	0.64	ppb	U
563-58-6	1,1-Dichloropropene	B1928-4250	0.60	0.60	ppb	U
71-43-2	Benzene	B1928-4250	0.57	0.57	ppb	U
107-06-2	1,2-Dichloroethane	B1928-4250	0.53	0.53	ppb	U
79-01-6	Trichloroethene	B1928-4250	0.55	0.55	ppb	U
78-87-5	1,2-Dichloropropane	B1928-4250	0.46	0.46	ppb	U
74-95-3	Dibromomethane	B1928-4250	0.78	0.78	ppb	U
75-27-4	Bromodichloromethane	B1928-4250	0.48	0.48	ppb	U
110-75-8	2-Chloroethylvinylether	B1928-4250	2.53	2.53	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1928-4250	0.51	0.51	ppb	U
108-10-1	4-Methyl-2-pentanone	B1928-4250	5.42	5.42	ppb	U
108-88-3	Toluene	B1928-4250	0.55	0.55	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1928-4250	0.49	0.49	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1928-4250	0.50	0.50	ppb	U
127-18-4	Tetrachloroethene	B1928-4250	1.04	**7.25**	ppb	
142-28-9	1,3-Dichloropropane	B1928-4250	0.71	0.71	ppb	U
591-78-6	2-Hexanone	B1928-4250	5.22	5.22	ppb	U
124-48-1	Dibromochloromethane	B1928-4250	0.62	0.62	ppb	U
106-93-4	1,2-Dibromoethane	B1928-4250	0.50	0.50	ppb	U
108-90-7	Chlorobenzene	B1928-4250	0.49	0.49	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1928-4250	0.51	0.51	ppb	U
100-41-4	Ethylbenzene	B1928-4250	0.28	0.28	ppb	U
108-38-3	m,p-xylene	B1928-4250	0.97	0.97	ppb	U
95-47-6	o-xylene	B1928-4250	0.49	0.49	ppb	U
100-42-5	Styrene	B1928-4250	0.50	0.50	ppb	U
75-25-2	Bromoform	B1928-4250	0.81	0.81	ppb	U
98-82-8	Isopropylbenzene	B1928-4250	0.40	0.40	ppb	U
108-86-1	Bromobenzene	B1928-4250	0.28	0.28	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1928-4250	0.73	0.73	ppb	U
103-65-1	n-Propylbenzene	B1928-4250	0.40	0.40	ppb	U
96-18-4	1,2,3-Trichloropropane	B1928-4250	1.57	1.57	ppb	U
622-96-8	p-Ethyltoluene	B1928-4250	0.33	0.33	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1928-4250	0.67	0.67	ppb	U
95-49-8	2-Chlorotoluene	B1928-4250	0.40	0.40	ppb	U
106-43-4	4-Chlorotoluene	B1928-4250	0.41	0.41	ppb	U
98-06-6	tert-Butylbenzene	B1928-4250	0.33	0.33	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1928-4250	0.74	0.74	ppb	U
135-98-8	sec-Butylbenzene	B1928-4250	0.37	0.37	ppb	U
99-87-6	4-Isopropyltoluene	B1928-4250	0.48	0.48	ppb	U
541-73-1	1,3-Dichlorobenzene	B1928-4250	0.41	0.41	ppb	U
106-46-7	1,4-Dichlorobenzene	B1928-4250	0.41	0.41	ppb	U
95-50-1	1,2-Dichlorobenzene	B1928-4250	0.46	0.46	ppb	U
105-05-5	p-Diethylbenzene	B1928-4250	0.66	0.66	ppb	U
104-51-8	n-Butylbenzene	B1928-4250	0.76	0.76	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1928-4250	0.77	0.77	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1928-4250	1.53	1.53	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1928-4250	1.01	1.01	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1928-4250	0.37	0.37	ppb	U
91-20-3	Naphthalene	B1928-4250	1.12	**18.3**	ppb	
87-61-6	1,2,3-Trichlorobenzene	B1928-4250	0.96	0.96	ppb	U
994-05-8	TAME	B1928-4250	0.55	0.55	ppb	U
75-65-0	Tertiary butyl alcohol	B1928-4250	13.5	13.5	ppb	U
107-13-1	Acrylonitrile	B1928-4250	4.73	4.73	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4250	94.9 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4250	101.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4250	102.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	B1890-8359	2660	2660	ppb	U
111-44-4	bis(2-Chloroethyl)ether	B1890-8359	487	487	ppb	U
95-57-8	2-Chlorophenol	B1890-8359	458	458	ppb	U
541-73-1	1,3-Dichlorobenzene	B1890-8359	464	464	ppb	U
106-46-7	1,4-Dichlorobenzene	B1890-8359	464	464	ppb	U
100-51-6	Benzyl alcohol	B1890-8359	652	652	ppb	U
95-50-1	1,2-Dichlorobenzene	B1890-8359	546	546	ppb	U
95-48-7	2-Methylphenol	B1890-8359	610	610	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B1890-8359	558	558	ppb	U
106-44-5	3+4-Methylphenol	B1890-8359	710	**148**	ppb	J
621-64-7	N-Nitroso-di-n-propylamine	B1890-8359	470	470	ppb	U
67-72-1	Hexachloroethane	B1890-8359	546	546	ppb	U
98-95-3	Nitrobenzene	B1890-8359	387	387	ppb	U
78-59-1	Isophorone	B1890-8359	517	517	ppb	U
88-75-5	2-Nitrophenol	B1890-8359	194	194	ppb	U
105-67-9	2,4-Dimethylphenol	B1890-8359	493	493	ppb	U
65-85-0	Benzoic acid	B1890-8359	4180	4180	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	B1890-8359	511	511	ppb	U
120-83-2	2,4-Dichlorophenol	B1890-8359	452	452	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1890-8359	517	517	ppb	U
91-20-3	Naphthalene	B1890-8359	499	**10500**	ppb	Y
106-47-8	4-Chloroaniline	B1890-8359	534	534	ppb	U
87-68-3	Hexachlorobutadiene	B1890-8359	429	429	ppb	U
59-50-7	4-Chloro-3-methylphenol	B1890-8359	423	423	ppb	U
91-57-6	2-Methylnaphthalene	B1890-8359	675	**5260**	ppb	Y
77-47-4	Hexachlorocyclopentadiene	B1890-8359	200	200	ppb	U
88-06-2	2,4,6-Trichlorophenol	B1890-8359	399	399	ppb	U
95-95-4	2,4,5-Trichlorophenol	B1890-8359	499	499	ppb	U
91-58-7	2-Chloronaphthalene	B1890-8359	434	434	ppb	U
88-74-4	2-Nitroaniline	B1890-8359	581	581	ppb	U
131-11-3	Dimethyl phthalate	B1890-8359	464	464	ppb	U
208-96-8	Acenaphthylene	B1890-8359	499	**2240**	ppb	Y
606-20-2	2,6-Dinitrotoluene	B1890-8359	528	528	ppb	U
99-09-2	3-Nitroaniline	B1890-8359	540	540	ppb	U

Environmental Testing Laboratories, Inc.

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	B1890-8359	534	**11300**	ppb	Y
51-28-5	2,4-Dinitrophenol	B1890-8359	10900	10900	ppb	U
100-02-7	4-Nitrophenol	B1890-8359	5160	5160	ppb	U
132-64-9	Dibenzofuran	B1890-8359	751	**7040**	ppb	Y
121-14-2	2,4-Dinitrotoluene	B1890-8359	417	417	ppb	U
84-66-2	Diethylphthalate	B1890-8359	910	910	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	B1890-8359	540	540	ppb	U
86-73-7	Fluorene	B1890-8359	511	**13900**	ppb	
100-01-6	4-Nitroaniline	B1890-8359	663	663	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B1890-8359	5520	5520	ppb	U
86-30-6	N-nitrosodiphenylamine	B1890-8359	587	587	ppb	U
101-55-3	4-Bromophenyl-phenylether	B1890-8359	499	499	ppb	U
118-74-1	Hexachlorobenzene	B1890-8359	558	558	ppb	U
87-86-5	Pentachlorophenol	B1890-8359	2800	2800	ppb	U
85-01-8	Phenanthrene	A1435-8051	1050	**74400**	ppb	
120-12-7	Anthracene	B1890-8359	564	**20300**	ppb	
84-74-2	Di-n-butylphthalate	B1890-8359	581	**222**	ppb	J
206-44-0	Fluoranthene	A1435-8051	1020	**80400**	ppb	
129-00-0	Pyrene	A1435-8051	971	**66000**	ppb	
85-68-7	Butylbenzylphthalate	B1890-8359	464	464	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B1890-8359	2890	2890	ppb	U
56-55-3	Benzo(a)anthracene	B1890-8359	552	**36600**	ppb	
218-01-9	Chrysene	B1890-8359	534	**32000**	ppb	
117-81-7	bis(2-Ethylhexyl)phthalate	B1890-8359	605	605	ppb	U
117-84-0	Di-n-octylphthalate	B1890-8359	540	540	ppb	U
205-99-2	Benzo(b)fluoranthene	B1890-8359	481	**26400**	ppb	
207-08-9	Benzo(k)fluoranthene	B1890-8359	640	**27600**	ppb	
50-32-8	Benzo(a)pyrene	B1890-8359	493	**31100**	ppb	
193-39-5	Indeno(1,2,3-cd)pyrene	B1890-8359	499	**17400**	ppb	
53-70-3	Dibenzo(a,h)anthracene	B1890-8359	470	**6730**	ppb	Y
191-24-2	Benzo(g,h,i)perylene	B1890-8359	505	**17500**	ppb	

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1890-8359	58.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B1890-8359	55.0 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B1890-8359	38.0 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B1890-8359	37.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	B1890-8359	45.5 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B1890-8359	60.0 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
75-71-8	Dichlorodifluoromethane	B1928-4260	1.92	1.92	ppb	U
75-45-6	Chlorodifluoromethane	B1928-4260	3.49	3.49	ppb	U
74-87-3	Chloromethane	B1928-4260	5.91	5.91	ppb	U
75-01-4	Vinyl Chloride	B1928-4260	3.49	3.49	ppb	U
74-83-9	Bromomethane	B1928-4260	2.21	2.21	ppb	U
75-00-3	Chloroethane	B1928-4260	3.28	3.28	ppb	U
75-69-4	Trichlorofluoromethane	B1928-4260	2.99	2.99	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B1928-4260	2.56	2.56	ppb	U
75-35-4	1,1-Dichloroethene	B1928-4260	4.13	4.13	ppb	U
67-64-1	Acetone	B1928-4260	38.8	**118**	ppb	Y
75-15-0	Carbon disulfide	B1928-4260	2.78	**5.80**	ppb	Y
75-09-2	Methylene Chloride	B1928-4260	3.70	3.70	ppb	U
156-60-5	t-1,2-Dichloroethene	B1928-4260	3.63	3.63	ppb	U
1634-04-4	Methyl t-butyl ether	B1928-4260	5.91	5.91	ppb	U
75-34-3	1,1-Dichloroethane	B1928-4260	2.92	2.92	ppb	U
590-20-7	2,2-Dichloropropane	B1928-4260	2.42	2.42	ppb	U
156-59-2	c-1,2-Dichloroethene	B1928-4260	3.84	3.84	ppb	U
78-93-3	2-Butanone	B1928-4260	34.0	34.0	ppb	U
74-97-5	Bromochloromethane	B1928-4260	4.06	4.06	ppb	U
67-66-3	Chloroform	B1928-4260	2.56	2.56	ppb	U
71-55-6	1,1,1-Trichloroethane	B1928-4260	3.42	3.42	ppb	U
56-23-5	Carbon Tetrachloride	B1928-4260	3.92	3.92	ppb	U
563-58-6	1,1-Dichloropropene	B1928-4260	3.63	3.63	ppb	U
71-43-2	Benzene	B1928-4260	3.49	3.49	ppb	U
107-06-2	1,2-Dichloroethane	B1928-4260	3.20	3.20	ppb	U
79-01-6	Trichloroethene	B1928-4260	3.35	3.35	ppb	U
78-87-5	1,2-Dichloropropane	B1928-4260	2.78	2.78	ppb	U
74-95-3	Dibromomethane	B1928-4260	4.77	4.77	ppb	U
75-27-4	Bromodichloromethane	B1928-4260	2.92	2.92	ppb	U
110-75-8	2-Chloroethylvinylether	B1928-4260	15.4	15.4	ppb	U
10061-01-5	c-1,3-Dichloropropene	B1928-4260	3.13	3.13	ppb	U
108-10-1	4-Methyl-2-pentanone	B1928-4260	33.0	33.0	ppb	U
108-88-3	Toluene	B1928-4260	3.35	3.35	ppb	U
10061-02-6	t-1,3-Dichloropropene	B1928-4260	2.99	2.99	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
79-00-5	1,1,2-Trichloroethane	B1928-4260	3.06	3.06	ppb	U
127-18-4	Tetrachloroethene	B1928-4260	6.34	6.34	ppb	U
142-28-9	1,3-Dichloropropane	B1928-4260	4.34	4.34	ppb	U
591-78-6	2-Hexanone	B1928-4260	31.8	31.8	ppb	U
124-48-1	Dibromochloromethane	B1928-4260	3.77	3.77	ppb	U
106-93-4	1,2-Dibromoethane	B1928-4260	3.06	3.06	ppb	U
108-90-7	Chlorobenzene	B1928-4260	2.99	2.99	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	B1928-4260	3.13	3.13	ppb	U
100-41-4	Ethylbenzene	B1928-4260	1.71	1.71	ppb	U
108-38-3	m,p-xylene	B1928-4260	5.91	5.91	ppb	U
95-47-6	o-xylene	B1928-4260	2.99	2.99	ppb	U
100-42-5	Styrene	B1928-4260	3.06	3.06	ppb	U
75-25-2	Bromoform	B1928-4260	4.91	4.91	ppb	U
98-82-8	Isopropylbenzene	B1928-4260	2.42	2.42	ppb	U
108-86-1	Bromobenzene	B1928-4260	1.71	1.71	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	B1928-4260	4.41	4.41	ppb	U
103-65-1	n-Propylbenzene	B1928-4260	2.42	2.42	ppb	U
96-18-4	1,2,3-Trichloropropane	B1928-4260	9.54	9.54	ppb	U
622-96-8	p-Ethyltoluene	B1928-4260	1.99	1.99	ppb	U
108-67-8	1,3,5-Trimethylbenzene	B1928-4260	4.06	4.06	ppb	U
95-49-8	2-Chlorotoluene	B1928-4260	2.42	2.42	ppb	U
106-43-4	4-Chlorotoluene	B1928-4260	2.49	2.49	ppb	U
98-06-6	tert-Butylbenzene	B1928-4260	1.99	1.99	ppb	U
95-63-6	1,2,4-Trimethylbenzene	B1928-4260	4.49	4.49	ppb	U
135-98-8	sec-Butylbenzene	B1928-4260	2.28	**7.74**	ppb	Y
99-87-6	4-Isopropyltoluene	B1928-4260	2.92	2.92	ppb	U
541-73-1	1,3-Dichlorobenzene	B1928-4260	2.49	2.49	ppb	U
106-46-7	1,4-Dichlorobenzene	B1928-4260	2.49	2.49	ppb	U
95-50-1	1,2-Dichlorobenzene	B1928-4260	2.78	2.78	ppb	U
105-05-5	p-Diethylbenzene	B1928-4260	3.99	3.99	ppb	U
104-51-8	n-Butylbenzene	B1928-4260	4.63	4.63	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	B1928-4260	4.70	4.70	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	B1928-4260	9.33	9.33	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1928-4260	6.12	6.12	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-68-3	Hexachlorobutadiene	B1928-4260	2.28	2.28	ppb	U
91-20-3	Naphthalene	B1928-4260	6.84	6.84	ppb	U
87-61-6	1,2,3-Trichlorobenzene	B1928-4260	5.84	5.84	ppb	U
994-05-8	TAME	B1928-4260	3.35	3.35	ppb	U
75-65-0	Tertiary butyl alcohol	B1928-4260	81.9	81.9	ppb	U
107-13-1	Acrylonitrile	B1928-4260	28.8	28.8	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4260	99.7 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4260	103.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4260	104.0 %	(80 - 121)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
108-95-2	Phenol	B1890-8357	643	643	ppb	U
111-44-4	bis(2-Chloroethyl)ether	B1890-8357	118	118	ppb	U
95-57-8	2-Chlorophenol	B1890-8357	111	111	ppb	U
541-73-1	1,3-Dichlorobenzene	B1890-8357	112	112	ppb	U
106-46-7	1,4-Dichlorobenzene	B1890-8357	112	112	ppb	U
100-51-6	Benzyl alcohol	B1890-8357	158	158	ppb	U
95-50-1	1,2-Dichlorobenzene	B1890-8357	132	132	ppb	U
95-48-7	2-Methylphenol	B1890-8357	148	148	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B1890-8357	135	135	ppb	U
106-44-5	3+4-Methylphenol	B1890-8357	172	172	ppb	U
621-64-7	N-Nitroso-di-n-propylamine	B1890-8357	114	114	ppb	U
67-72-1	Hexachloroethane	B1890-8357	132	132	ppb	U
98-95-3	Nitrobenzene	B1890-8357	93.7	93.7	ppb	U
78-59-1	Isophorone	B1890-8357	125	125	ppb	U
88-75-5	2-Nitrophenol	B1890-8357	46.9	46.9	ppb	U
105-67-9	2,4-Dimethylphenol	B1890-8357	119	**108**	ppb	J
65-85-0	Benzoic acid	B1890-8357	1010	1010	ppb	U
111-91-1	bis(2-Chloroethoxy)methane	B1890-8357	124	124	ppb	U
120-83-2	2,4-Dichlorophenol	B1890-8357	109	109	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B1890-8357	125	125	ppb	U
91-20-3	Naphthalene	B1890-8357	121	**107**	ppb	J
106-47-8	4-Chloroaniline	B1890-8357	129	129	ppb	U
87-68-3	Hexachlorobutadiene	B1890-8357	104	104	ppb	U
59-50-7	4-Chloro-3-methylphenol	B1890-8357	102	102	ppb	U
91-57-6	2-Methylnaphthalene	B1890-8357	163	**63.6**	ppb	J
77-47-4	Hexachlorocyclopentadiene	B1890-8357	48.3	48.3	ppb	U
88-06-2	2,4,6-Trichlorophenol	B1890-8357	96.6	96.6	ppb	U
95-95-4	2,4,5-Trichlorophenol	B1890-8357	121	121	ppb	U
91-58-7	2-Chloronaphthalene	B1890-8357	105	105	ppb	U
88-74-4	2-Nitroaniline	B1890-8357	141	141	ppb	U
131-11-3	Dimethyl phthalate	B1890-8357	112	112	ppb	U
208-96-8	Acenaphthylene	B1890-8357	121	**40.3**	ppb	J
606-20-2	2,6-Dinitrotoluene	B1890-8357	128	128	ppb	U
99-09-2	3-Nitroaniline	B1890-8357	131	131	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
83-32-9	Acenaphthene	B1890-8357	129	**360**	ppb	Y
51-28-5	2,4-Dinitrophenol	B1890-8357	2640	2640	ppb	U
100-02-7	4-Nitrophenol	B1890-8357	1250	1250	ppb	U
132-64-9	Dibenzofuran	B1890-8357	182	**62.3**	ppb	J
121-14-2	2,4-Dinitrotoluene	B1890-8357	101	101	ppb	U
84-66-2	Diethylphthalate	B1890-8357	220	220	ppb	U
7005-72-3	4-Chlorophenyl-phenyl ether	B1890-8357	131	131	ppb	U
86-73-7	Fluorene	B1890-8357	124	**165**	ppb	Y
100-01-6	4-Nitroaniline	B1890-8357	160	160	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B1890-8357	1330	1330	ppb	U
86-30-6	N-nitrosodiphenylamine	B1890-8357	142	142	ppb	U
101-55-3	4-Bromophenyl-phenylether	B1890-8357	121	121	ppb	U
118-74-1	Hexachlorobenzene	B1890-8357	135	135	ppb	U
87-86-5	Pentachlorophenol	B1890-8357	677	677	ppb	U
85-01-8	Phenanthrene	B1890-8357	129	**687**	ppb	Y
120-12-7	Anthracene	B1890-8357	136	**256**	ppb	Y
84-74-2	Di-n-butylphthalate	B1890-8357	141	141	ppb	U
206-44-0	Fluoranthene	B1890-8357	146	**1690**	ppb	Y
129-00-0	Pyrene	B1890-8357	131	**1590**	ppb	Y
85-68-7	Butylbenzylphthalate	B1890-8357	112	112	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B1890-8357	700	700	ppb	U
56-55-3	Benzo(a)anthracene	B1890-8357	133	**701**	ppb	Y
218-01-9	Chrysene	B1890-8357	129	**788**	ppb	Y
117-81-7	bis(2-Ethylhexyl)phthalate	B1890-8357	146	146	ppb	U
117-84-0	Di-n-octylphthalate	B1890-8357	131	131	ppb	U
205-99-2	Benzo(b)fluoranthene	B1890-8357	116	**375**	ppb	Y
207-08-9	Benzo(k)fluoranthene	B1890-8357	155	**383**	ppb	Y
50-32-8	Benzo(a)pyrene	B1890-8357	119	**431**	ppb	Y
193-39-5	Indeno(1,2,3-cd)pyrene	B1890-8357	121	**242**	ppb	Y
53-70-3	Dibenzo(a,h)anthracene	B1890-8357	114	**95.1**	ppb	J
191-24-2	Benzo(g,h,i)perylene	B1890-8357	122	**240**	ppb	Y

* Results are reported on a dry weight basis

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Semivolatile Compounds - EPA 8270C

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks:
Analyzed Date: 12/05/2005
Preparation Date(s) : 12/02/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1890-8357	72.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B1890-8357	47.1 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B1890-8357	42.2 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B1890-8357	41.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	B1890-8357	42.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B1890-8357	56.8 %	(18 - 137)	

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-7
Client Sample ID: MW-11 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 12:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C2003-1771	0.20	0.20	ppb	U
75-45-6	Chlorodifluoromethane	C2003-1771	0.089	0.089	ppb	U
74-87-3	Chloromethane	C2003-1771	0.17	0.17	ppb	U
75-01-4	Vinyl Chloride	C2003-1771	0.23	0.23	ppb	U
74-83-9	Bromomethane	C2003-1771	0.31	0.31	ppb	U
75-00-3	Chloroethane	C2003-1771	0.20	0.20	ppb	U
75-69-4	Trichlorofluoromethane	C2003-1771	0.23	0.23	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C2003-1771	0.28	0.28	ppb	U
75-35-4	1,1-Dichloroethene	C2003-1771	0.22	0.22	ppb	U
67-64-1	Acetone	C2003-1771	1.50	1.50	ppb	U
75-15-0	Carbon disulfide	C2003-1771	0.083	0.083	ppb	U
75-09-2	Methylene Chloride	C2003-1771	0.11	0.11	ppb	U
156-60-5	t-1,2-Dichloroethene	C2003-1771	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	C2003-1771	0.15	0.15	ppb	U
75-34-3	1,1-Dichloroethane	C2003-1771	0.046	0.046	ppb	U
590-20-7	2,2-Dichloropropane	C2003-1771	0.33	0.33	ppb	U
156-59-2	c-1,2-Dichloroethene	C2003-1771	0.23	0.23	ppb	U
78-93-3	2-Butanone	C2003-1771	0.85	0.85	ppb	U
74-97-5	Bromochloromethane	C2003-1771	0.14	0.14	ppb	U
67-66-3	Chloroform	C2003-1771	0.046	0.046	ppb	U
71-55-6	1,1,1-Trichloroethane	C2003-1771	0.11	0.11	ppb	U
56-23-5	Carbon Tetrachloride	C2003-1771	0.081	0.081	ppb	U
563-58-6	1,1-Dichloropropene	C2003-1771	0.43	0.43	ppb	U
71-43-2	Benzene	C2003-1771	0.12	0.12	ppb	U
107-06-2	1,2-Dichloroethane	C2003-1771	0.097	0.097	ppb	U
79-01-6	Trichloroethene	C2003-1771	0.20	0.20	ppb	U
78-87-5	1,2-Dichloropropane	C2003-1771	0.18	0.18	ppb	U
74-95-3	Dibromomethane	C2003-1771	0.11	0.11	ppb	U
75-27-4	Bromodichloromethane	C2003-1771	0.073	0.073	ppb	U
110-75-8	2-Chloroethylvinylether	C2003-1771	12.2	12.2	ppb	U
10061-01-5	c-1,3-Dichloropropene	C2003-1771	0.10	0.10	ppb	U
108-10-1	4-Methyl-2-pentanone	C2003-1771	0.68	0.68	ppb	U
108-88-3	Toluene	C2003-1771	0.067	0.067	ppb	U
10061-02-6	t-1,3-Dichloropropene	C2003-1771	0.22	0.22	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-7
Client Sample ID: MW-11 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 12:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C2003-1771	0.10	0.10	ppb	U
127-18-4	Tetrachloroethene	C2003-1771	0.16	0.16	ppb	U
142-28-9	1,3-Dichloropropane	C2003-1771	0.099	0.099	ppb	U
591-78-6	2-Hexanone	C2003-1771	0.82	0.82	ppb	U
124-48-1	Dibromochloromethane	C2003-1771	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	C2003-1771	0.11	0.11	ppb	U
108-90-7	Chlorobenzene	C2003-1771	0.096	0.096	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C2003-1771	0.15	0.15	ppb	U
100-41-4	Ethylbenzene	C2003-1771	0.26	0.26	ppb	U
108-38-3	m,p-xylene	C2003-1771	0.29	0.29	ppb	U
95-47-6	o-xylene	C2003-1771	0.15	0.15	ppb	U
100-42-5	Styrene	C2003-1771	0.18	0.18	ppb	U
75-25-2	Bromoform	C2003-1771	0.11	0.11	ppb	U
98-82-8	Isopropylbenzene	C2003-1771	0.14	0.14	ppb	U
108-86-1	Bromobenzene	C2003-1771	0.089	0.089	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C2003-1771	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	C2003-1771	0.11	0.11	ppb	U
96-18-4	1,2,3-Trichloropropane	C2003-1771	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C2003-1771	0.12	0.12	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C2003-1771	0.12	0.12	ppb	U
95-49-8	2-Chlorotoluene	C2003-1771	0.16	0.16	ppb	U
106-43-4	4-Chlorotoluene	C2003-1771	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C2003-1771	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C2003-1771	0.11	0.11	ppb	U
135-98-8	sec-Butylbenzene	C2003-1771	0.17	0.17	ppb	U
99-87-6	4-Isopropyltoluene	C2003-1771	0.15	0.15	ppb	U
541-73-1	1,3-Dichlorobenzene	C2003-1771	0.098	0.098	ppb	U
106-46-7	1,4-Dichlorobenzene	C2003-1771	0.12	0.12	ppb	U
95-50-1	1,2-Dichlorobenzene	C2003-1771	0.086	0.086	ppb	U
105-05-5	p-Diethylbenzene	C2003-1771	0.20	0.20	ppb	U
104-51-8	n-Butylbenzene	C2003-1771	0.23	0.23	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C2003-1771	0.16	0.16	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C2003-1771	0.15	0.15	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C2003-1771	0.21	0.21	ppb	U

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-7
Client Sample ID: MW-11 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 12:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C2003-1771	0.57	0.57	ppb	U
91-20-3	Naphthalene	C2003-1771	0.17	0.17	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C2003-1771	0.26	0.26	ppb	U
994-05-8	TAME	C2003-1771	0.13	0.13	ppb	U
75-65-0	Tertiary butyl alcohol	C2003-1771	2.51	2.51	ppb	U
107-13-1	Acrylonitrile	C2003-1771	2.14	2.14	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2003-1771	97.2 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2003-1771	105.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2003-1771	102.0 %	(85 - 112)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-8
Client Sample ID: MW-12 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C2003-1772	4.00	4.00	ppb	U
75-45-6	Chlorodifluoromethane	C2003-1772	1.78	1.78	ppb	U
74-87-3	Chloromethane	C2003-1772	3.40	3.40	ppb	U
75-01-4	Vinyl Chloride	C2003-1772	4.60	4.60	ppb	U
74-83-9	Bromomethane	C2003-1772	6.20	6.20	ppb	U
75-00-3	Chloroethane	C2003-1772	4.00	4.00	ppb	U
75-69-4	Trichlorofluoromethane	C2003-1772	4.60	4.60	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C2003-1772	5.60	5.60	ppb	U
75-35-4	1,1-Dichloroethene	C2003-1772	4.40	4.40	ppb	U
67-64-1	Acetone	C2003-1772	30.0	30.0	ppb	U
75-15-0	Carbon disulfide	C2003-1772	1.66	1.66	ppb	U
75-09-2	Methylene Chloride	C2003-1772	2.20	2.20	ppb	U
156-60-5	t-1,2-Dichloroethene	C2003-1772	4.00	4.00	ppb	U
1634-04-4	Methyl t-butyl ether	C2003-1772	3.00	**38.9**	ppb	Y
75-34-3	1,1-Dichloroethane	C2003-1772	0.92	0.92	ppb	U
590-20-7	2,2-Dichloropropane	C2003-1772	6.60	6.60	ppb	U
156-59-2	c-1,2-Dichloroethene	C2003-1772	4.60	4.60	ppb	U
78-93-3	2-Butanone	C2003-1772	17.0	17.0	ppb	U
74-97-5	Bromochloromethane	C2003-1772	2.80	2.80	ppb	U
67-66-3	Chloroform	C2003-1772	0.92	0.92	ppb	U
71-55-6	1,1,1-Trichloroethane	C2003-1772	2.20	2.20	ppb	U
56-23-5	Carbon Tetrachloride	C2003-1772	1.62	1.62	ppb	U
563-58-6	1,1-Dichloropropene	C2003-1772	8.60	8.60	ppb	U
71-43-2	Benzene	C2003-1772	2.40	**209**	ppb	
107-06-2	1,2-Dichloroethane	C2003-1772	1.94	1.94	ppb	U
79-01-6	Trichloroethene	C2003-1772	4.00	4.00	ppb	U
78-87-5	1,2-Dichloropropane	C2003-1772	3.60	3.60	ppb	U
74-95-3	Dibromomethane	C2003-1772	2.20	2.20	ppb	U
75-27-4	Bromodichloromethane	C2003-1772	1.46	1.46	ppb	U
110-75-8	2-Chloroethylvinylether	C2003-1772	244	244	ppb	U
10061-01-5	c-1,3-Dichloropropene	C2003-1772	2.00	2.00	ppb	U
108-10-1	4-Methyl-2-pentanone	C2003-1772	13.6	13.6	ppb	U
108-88-3	Toluene	C2003-1772	1.34	**96.8**	ppb	Y
10061-02-6	t-1,3-Dichloropropene	C2003-1772	4.40	4.40	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-8
Client Sample ID: MW-12 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C2003-1772	2.00	2.00	ppb	U
127-18-4	Tetrachloroethene	C2003-1772	3.20	3.20	ppb	U
142-28-9	1,3-Dichloropropane	C2003-1772	1.98	1.98	ppb	U
591-78-6	2-Hexanone	C2003-1772	16.4	16.4	ppb	U
124-48-1	Dibromochloromethane	C2003-1772	2.20	2.20	ppb	U
106-93-4	1,2-Dibromoethane	C2003-1772	2.20	2.20	ppb	U
108-90-7	Chlorobenzene	C2003-1772	1.92	1.92	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C2003-1772	3.00	3.00	ppb	U
100-41-4	Ethylbenzene	C2003-1772	5.20	**1080**	ppb	
108-38-3	m,p-xylene	C2003-1772	5.80	**4270**	ppb	
95-47-6	o-xylene	C2003-1772	3.00	**482**	ppb	
100-42-5	Styrene	C2003-1772	3.60	3.60	ppb	U
75-25-2	Bromoform	C2003-1772	2.20	2.20	ppb	U
98-82-8	Isopropylbenzene	C2003-1772	2.80	**127**	ppb	
108-86-1	Bromobenzene	C2003-1772	1.78	1.78	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C2003-1772	2.00	2.00	ppb	U
103-65-1	n-Propylbenzene	C2003-1772	2.20	**386**	ppb	
96-18-4	1,2,3-Trichloropropane	C2003-1772	7.00	7.00	ppb	U
622-96-8	p-Ethyltoluene	C2003-1772	2.40	**2560**	ppb	
108-67-8	1,3,5-Trimethylbenzene	C2003-1772	2.40	**1080**	ppb	
95-49-8	2-Chlorotoluene	C2003-1772	3.20	3.20	ppb	U
106-43-4	4-Chlorotoluene	C2003-1772	4.40	4.40	ppb	U
98-06-6	tert-Butylbenzene	C2003-1772	2.60	2.60	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C2004-1789	11.0	**4410**	ppb	
135-98-8	sec-Butylbenzene	C2003-1772	3.40	**35.6**	ppb	Y
99-87-6	4-Isopropyltoluene	C2003-1772	3.00	**165**	ppb	
541-73-1	1,3-Dichlorobenzene	C2003-1772	1.96	1.96	ppb	U
106-46-7	1,4-Dichlorobenzene	C2003-1772	2.40	2.40	ppb	U
95-50-1	1,2-Dichlorobenzene	C2003-1772	1.72	1.72	ppb	U
105-05-5	p-Diethylbenzene	C2003-1772	4.00	**277**	ppb	
104-51-8	n-Butylbenzene	C2003-1772	4.60	**110**	ppb	
95-93-2	1,2,4,5-Tetramethylbenzene	C2003-1772	3.20	**235**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	C2003-1772	3.00	3.00	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C2003-1772	4.20	4.20	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-8
Client Sample ID: MW-12 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C2003-1772	11.4	11.4	ppb	U
91-20-3	Naphthalene	C2003-1772	3.40	**512**	ppb	
87-61-6	1,2,3-Trichlorobenzene	C2003-1772	5.20	5.20	ppb	U
994-05-8	TAME	C2003-1772	2.60	2.60	ppb	U
75-65-0	Tertiary butyl alcohol	C2003-1772	50.2	50.2	ppb	U
107-13-1	Acrylonitrile	C2003-1772	42.8	42.8	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2003-1772	102.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2003-1772	103.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2003-1772	105.0 %	(85 - 112)	
460-00-4	4-BROMOFLUOROBENZENE	C2004-1789	101.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2004-1789	102.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2004-1789	103.0 %	(85 - 112)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-9
Client Sample ID: MW-13 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:15

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C2004-1788	0.20	0.20	ppb	U
75-45-6	Chlorodifluoromethane	C2004-1788	0.089	0.089	ppb	U
74-87-3	Chloromethane	C2004-1788	0.17	0.17	ppb	U
75-01-4	Vinyl Chloride	C2004-1788	0.23	0.23	ppb	U
74-83-9	Bromomethane	C2004-1788	0.31	0.31	ppb	U
75-00-3	Chloroethane	C2004-1788	0.20	0.20	ppb	U
75-69-4	Trichlorofluoromethane	C2004-1788	0.23	0.23	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C2004-1788	0.28	0.28	ppb	U
75-35-4	1,1-Dichloroethene	C2004-1788	0.22	0.22	ppb	U
67-64-1	Acetone	C2004-1788	1.50	1.50	ppb	U
75-15-0	Carbon disulfide	C2004-1788	0.083	0.083	ppb	U
75-09-2	Methylene Chloride	C2004-1788	0.11	0.11	ppb	U
156-60-5	t-1,2-Dichloroethene	C2004-1788	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	C2004-1788	0.15	**6.40**	ppb	
75-34-3	1,1-Dichloroethane	C2004-1788	0.046	0.046	ppb	U
590-20-7	2,2-Dichloropropane	C2004-1788	0.33	0.33	ppb	U
156-59-2	c-1,2-Dichloroethene	C2004-1788	0.23	0.23	ppb	U
78-93-3	2-Butanone	C2004-1788	0.85	0.85	ppb	U
74-97-5	Bromochloromethane	C2004-1788	0.14	0.14	ppb	U
67-66-3	Chloroform	C2004-1788	0.046	0.046	ppb	U
71-55-6	1,1,1-Trichloroethane	C2004-1788	0.11	0.11	ppb	U
56-23-5	Carbon Tetrachloride	C2004-1788	0.081	0.081	ppb	U
563-58-6	1,1-Dichloropropene	C2004-1788	0.43	0.43	ppb	U
71-43-2	Benzene	C2004-1788	0.12	**13.7**	ppb	
107-06-2	1,2-Dichloroethane	C2004-1788	0.097	0.097	ppb	U
79-01-6	Trichloroethene	C2004-1788	0.20	0.20	ppb	U
78-87-5	1,2-Dichloropropane	C2004-1788	0.18	0.18	ppb	U
74-95-3	Dibromomethane	C2004-1788	0.11	0.11	ppb	U
75-27-4	Bromodichloromethane	C2004-1788	0.073	0.073	ppb	U
110-75-8	2-Chloroethylvinylether	C2004-1788	12.2	12.2	ppb	U
10061-01-5	c-1,3-Dichloropropene	C2004-1788	0.10	0.10	ppb	U
108-10-1	4-Methyl-2-pentanone	C2004-1788	0.68	0.68	ppb	U
108-88-3	Toluene	C2004-1788	0.067	**0.60**	ppb	Y
10061-02-6	t-1,3-Dichloropropene	C2004-1788	0.22	0.22	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-9
Client Sample ID: MW-13 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:15

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C2004-1788	0.10	0.10	ppb	U
127-18-4	Tetrachloroethene	C2004-1788	0.16	0.16	ppb	U
142-28-9	1,3-Dichloropropane	C2004-1788	0.099	0.099	ppb	U
591-78-6	2-Hexanone	C2004-1788	0.82	0.82	ppb	U
124-48-1	Dibromochloromethane	C2004-1788	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	C2004-1788	0.11	0.11	ppb	U
108-90-7	Chlorobenzene	C2004-1788	0.096	0.096	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C2004-1788	0.15	0.15	ppb	U
100-41-4	Ethylbenzene	C2004-1788	0.26	0.26	ppb	U
108-38-3	m,p-xylene	C2004-1788	0.29	**1.68**	ppb	Y
95-47-6	o-xylene	C2004-1788	0.15	0.15	ppb	U
100-42-5	Styrene	C2004-1788	0.18	0.18	ppb	U
75-25-2	Bromoform	C2004-1788	0.11	0.11	ppb	U
98-82-8	Isopropylbenzene	C2004-1788	0.14	**31.0**	ppb	
108-86-1	Bromobenzene	C2004-1788	0.089	0.089	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C2004-1788	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	C2004-1788	0.11	**16.8**	ppb	
96-18-4	1,2,3-Trichloropropane	C2004-1788	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C2004-1788	0.12	0.12	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C2004-1788	0.12	0.12	ppb	U
95-49-8	2-Chlorotoluene	C2004-1788	0.16	0.16	ppb	U
106-43-4	4-Chlorotoluene	C2004-1788	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C2004-1788	0.13	**2.99**	ppb	Y
95-63-6	1,2,4-Trimethylbenzene	C2004-1788	0.11	0.11	ppb	U
135-98-8	sec-Butylbenzene	C2004-1788	0.17	**17.6**	ppb	
99-87-6	4-Isopropyltoluene	C2004-1788	0.15	0.15	ppb	U
541-73-1	1,3-Dichlorobenzene	C2004-1788	0.098	0.098	ppb	U
106-46-7	1,4-Dichlorobenzene	C2004-1788	0.12	0.12	ppb	U
95-50-1	1,2-Dichlorobenzene	C2004-1788	0.086	0.086	ppb	U
105-05-5	p-Diethylbenzene	C2004-1788	0.20	**11.2**	ppb	
104-51-8	n-Butylbenzene	C2004-1788	0.23	0.23	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C2004-1788	0.16	**35.6**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	C2004-1788	0.15	0.15	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C2004-1788	0.21	0.21	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-9
Client Sample ID: MW-13 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:15

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C2004-1788	0.57	0.57	ppb	U
91-20-3	Naphthalene	C2004-1788	0.17	0.17	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C2004-1788	0.26	0.26	ppb	U
994-05-8	TAME	C2004-1788	0.13	**3.38**	ppb	Y
75-65-0	Tertiary butyl alcohol	C2004-1788	2.51	2.51	ppb	U
107-13-1	Acrylonitrile	C2004-1788	2.14	2.14	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2004-1788	105.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2004-1788	100.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2004-1788	102.0 %	(85 - 112)	

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-10
Client Sample ID: MW-14 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C2004-1787	0.10	0.10	ppb	U
127-18-4	Tetrachloroethene	C2004-1787	0.16	0.16	ppb	U
142-28-9	1,3-Dichloropropane	C2004-1787	0.099	0.099	ppb	U
591-78-6	2-Hexanone	C2004-1787	0.82	0.82	ppb	U
124-48-1	Dibromochloromethane	C2004-1787	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	C2004-1787	0.11	0.11	ppb	U
108-90-7	Chlorobenzene	C2004-1787	0.096	0.096	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C2004-1787	0.15	0.15	ppb	U
100-41-4	Ethylbenzene	C2004-1787	0.26	0.26	ppb	U
108-38-3	m,p-xylene	C2004-1787	0.29	0.29	ppb	U
95-47-6	o-xylene	C2004-1787	0.15	0.15	ppb	U
100-42-5	Styrene	C2004-1787	0.18	0.18	ppb	U
75-25-2	Bromoform	C2004-1787	0.11	0.11	ppb	U
98-82-8	Isopropylbenzene	C2004-1787	0.14	**39.0**	ppb	
108-86-1	Bromobenzene	C2004-1787	0.089	0.089	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C2004-1787	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	C2004-1787	0.11	**118**	ppb	
96-18-4	1,2,3-Trichloropropane	C2004-1787	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C2004-1787	0.12	0.12	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C2004-1787	0.12	0.12	ppb	U
95-49-8	2-Chlorotoluene	C2004-1787	0.16	0.16	ppb	U
106-43-4	4-Chlorotoluene	C2004-1787	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C2004-1787	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C2004-1787	0.11	0.11	ppb	U
135-98-8	sec-Butylbenzene	C2004-1787	0.17	**28.1**	ppb	
99-87-6	4-Isopropyltoluene	C2004-1787	0.15	0.15	ppb	U
541-73-1	1,3-Dichlorobenzene	C2004-1787	0.098	0.098	ppb	U
106-46-7	1,4-Dichlorobenzene	C2004-1787	0.12	0.12	ppb	U
95-50-1	1,2-Dichlorobenzene	C2004-1787	0.086	0.086	ppb	U
105-05-5	p-Diethylbenzene	C2004-1787	0.20	**33.1**	ppb	
104-51-8	n-Butylbenzene	C2004-1787	0.23	**10.3**	ppb	
95-93-2	1,2,4,5-Tetramethylbenzene	C2004-1787	0.16	**101**	ppb	
96-12-8	1,2-Dibromo-3-chloropropane	C2004-1787	0.15	0.15	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C2004-1787	0.21	0.21	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-10
Client Sample ID: MW-14 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C2004-1787	0.57	0.57	ppb	U
91-20-3	Naphthalene	C2004-1787	0.17	0.17	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C2004-1787	0.26	0.26	ppb	U
994-05-8	TAME	C2004-1787	0.13	0.13	ppb	U
75-65-0	Tertiary butyl alcohol	C2004-1787	2.51	2.51	ppb	U
107-13-1	Acrylonitrile	C2004-1787	2.14	2.14	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2004-1787	100.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2004-1787	96.6 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2004-1787	105.0 %	(85 - 112)	

Environmental Testing Laboratories, Inc.

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-10
Client Sample ID: MW-14 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C2004-1787	0.20	0.20	ppb	U
75-45-6	Chlorodifluoromethane	C2004-1787	0.089	0.089	ppb	U
74-87-3	Chloromethane	C2004-1787	0.17	0.17	ppb	U
75-01-4	Vinyl Chloride	C2004-1787	0.23	0.23	ppb	U
74-83-9	Bromomethane	C2004-1787	0.31	0.31	ppb	U
75-00-3	Chloroethane	C2004-1787	0.20	0.20	ppb	U
75-69-4	Trichlorofluoromethane	C2004-1787	0.23	0.23	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C2004-1787	0.28	0.28	ppb	U
75-35-4	1,1-Dichloroethene	C2004-1787	0.22	0.22	ppb	U
67-64-1	Acetone	C2004-1787	1.50	1.50	ppb	U
75-15-0	Carbon disulfide	C2004-1787	0.083	0.083	ppb	U
75-09-2	Methylene Chloride	C2004-1787	0.11	0.11	ppb	U
156-60-5	t-1,2-Dichloroethene	C2004-1787	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	C2004-1787	0.15	0.15	ppb	U
75-34-3	1,1-Dichloroethane	C2004-1787	0.046	0.046	ppb	U
590-20-7	2,2-Dichloropropane	C2004-1787	0.33	0.33	ppb	U
156-59-2	c-1,2-Dichloroethene	C2004-1787	0.23	0.23	ppb	U
78-93-3	2-Butanone	C2004-1787	0.85	0.85	ppb	U
74-97-5	Bromochloromethane	C2004-1787	0.14	0.14	ppb	U
67-66-3	Chloroform	C2004-1787	0.046	0.046	ppb	U
71-55-6	1,1,1-Trichloroethane	C2004-1787	0.11	0.11	ppb	U
56-23-5	Carbon Tetrachloride	C2004-1787	0.081	0.081	ppb	U
563-58-6	1,1-Dichloropropene	C2004-1787	0.43	0.43	ppb	U
71-43-2	Benzene	C2004-1787	0.12	0.12	ppb	U
107-06-2	1,2-Dichloroethane	C2004-1787	0.097	0.097	ppb	U
79-01-6	Trichloroethene	C2004-1787	0.20	0.20	ppb	U
78-87-5	1,2-Dichloropropane	C2004-1787	0.18	0.18	ppb	U
74-95-3	Dibromomethane	C2004-1787	0.11	0.11	ppb	U
75-27-4	Bromodichloromethane	C2004-1787	0.073	0.073	ppb	U
110-75-8	2-Chloroethylvinylether	C2004-1787	12.2	12.2	ppb	U
10061-01-5	c-1,3-Dichloropropene	C2004-1787	0.10	0.10	ppb	U
108-10-1	4-Methyl-2-pentanone	C2004-1787	0.68	0.68	ppb	U
108-88-3	Toluene	C2004-1787	0.067	0.067	ppb	U
10061-02-6	t-1,3-Dichloropropene	C2004-1787	0.22	0.22	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-11
Client Sample ID: MW-15 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
75-71-8	Dichlorodifluoromethane	C2003-1775	0.20	0.20	ppb	U
75-45-6	Chlorodifluoromethane	C2003-1775	0.089	0.089	ppb	U
74-87-3	Chloromethane	C2003-1775	0.17	0.17	ppb	U
75-01-4	Vinyl Chloride	C2003-1775	0.23	0.23	ppb	U
74-83-9	Bromomethane	C2003-1775	0.31	0.31	ppb	U
75-00-3	Chloroethane	C2003-1775	0.20	0.20	ppb	U
75-69-4	Trichlorofluoromethane	C2003-1775	0.23	0.23	ppb	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C2003-1775	0.28	0.28	ppb	U
75-35-4	1,1-Dichloroethene	C2003-1775	0.22	0.22	ppb	U
67-64-1	Acetone	C2003-1775	1.50	1.50	ppb	U
75-15-0	Carbon disulfide	C2003-1775	0.083	0.083	ppb	U
75-09-2	Methylene Chloride	C2003-1775	0.11	0.11	ppb	U
156-60-5	t-1,2-Dichloroethene	C2003-1775	0.20	0.20	ppb	U
1634-04-4	Methyl t-butyl ether	C2003-1775	0.15	0.15	ppb	U
75-34-3	1,1-Dichloroethane	C2003-1775	0.046	0.046	ppb	U
590-20-7	2,2-Dichloropropane	C2003-1775	0.33	0.33	ppb	U
156-59-2	c-1,2-Dichloroethene	C2003-1775	0.23	0.23	ppb	U
78-93-3	2-Butanone	C2003-1775	0.85	0.85	ppb	U
74-97-5	Bromochloromethane	C2003-1775	0.14	0.14	ppb	U
67-66-3	Chloroform	C2003-1775	0.046	0.046	ppb	U
71-55-6	1,1,1-Trichloroethane	C2003-1775	0.11	0.11	ppb	U
56-23-5	Carbon Tetrachloride	C2003-1775	0.081	0.081	ppb	U
563-58-6	1,1-Dichloropropene	C2003-1775	0.43	0.43	ppb	U
71-43-2	Benzene	C2003-1775	0.12	0.12	ppb	U
107-06-2	1,2-Dichloroethane	C2003-1775	0.097	0.097	ppb	U
79-01-6	Trichloroethene	C2003-1775	0.20	0.20	ppb	U
78-87-5	1,2-Dichloropropane	C2003-1775	0.18	0.18	ppb	U
74-95-3	Dibromomethane	C2003-1775	0.11	0.11	ppb	U
75-27-4	Bromodichloromethane	C2003-1775	0.073	0.073	ppb	U
110-75-8	2-Chloroethylvinylether	C2003-1775	12.2	12.2	ppb	U
10061-01-5	c-1,3-Dichloropropene	C2003-1775	0.10	0.10	ppb	U
108-10-1	4-Methyl-2-pentanone	C2003-1775	0.68	0.68	ppb	U
108-88-3	Toluene	C2003-1775	0.067	0.067	ppb	U
10061-02-6	t-1,3-Dichloropropene	C2003-1775	0.22	0.22	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-11
Client Sample ID: MW-15 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
79-00-5	1,1,2-Trichloroethane	C2003-1775	0.10	0.10	ppb	U
127-18-4	Tetrachloroethene	C2003-1775	0.16	0.16	ppb	U
142-28-9	1,3-Dichloropropane	C2003-1775	0.099	0.099	ppb	U
591-78-6	2-Hexanone	C2003-1775	0.82	0.82	ppb	U
124-48-1	Dibromochloromethane	C2003-1775	0.11	0.11	ppb	U
106-93-4	1,2-Dibromoethane	C2003-1775	0.11	0.11	ppb	U
108-90-7	Chlorobenzene	C2003-1775	0.096	0.096	ppb	U
630-20-6	1,1,1,2-Tetrachloroethane	C2003-1775	0.15	0.15	ppb	U
100-41-4	Ethylbenzene	C2003-1775	0.26	0.26	ppb	U
108-38-3	m,p-xylene	C2003-1775	0.29	0.29	ppb	U
95-47-6	o-xylene	C2003-1775	0.15	0.15	ppb	U
100-42-5	Styrene	C2003-1775	0.18	0.18	ppb	U
75-25-2	Bromoform	C2003-1775	0.11	0.11	ppb	U
98-82-8	Isopropylbenzene	C2003-1775	0.14	0.14	ppb	U
108-86-1	Bromobenzene	C2003-1775	0.089	0.089	ppb	U
79-34-5	1,1,2,2-Tetrachloroethane	C2003-1775	0.10	0.10	ppb	U
103-65-1	n-Propylbenzene	C2003-1775	0.11	0.11	ppb	U
96-18-4	1,2,3-Trichloropropane	C2003-1775	0.35	0.35	ppb	U
622-96-8	p-Ethyltoluene	C2003-1775	0.12	0.12	ppb	U
108-67-8	1,3,5-Trimethylbenzene	C2003-1775	0.12	0.12	ppb	U
95-49-8	2-Chlorotoluene	C2003-1775	0.16	0.16	ppb	U
106-43-4	4-Chlorotoluene	C2003-1775	0.22	0.22	ppb	U
98-06-6	tert-Butylbenzene	C2003-1775	0.13	0.13	ppb	U
95-63-6	1,2,4-Trimethylbenzene	C2003-1775	0.11	0.11	ppb	U
135-98-8	sec-Butylbenzene	C2003-1775	0.17	0.17	ppb	U
99-87-6	4-Isopropyltoluene	C2003-1775	0.15	0.15	ppb	U
541-73-1	1,3-Dichlorobenzene	C2003-1775	0.098	0.098	ppb	U
106-46-7	1,4-Dichlorobenzene	C2003-1775	0.12	0.12	ppb	U
95-50-1	1,2-Dichlorobenzene	C2003-1775	0.086	0.086	ppb	U
105-05-5	p-Diethylbenzene	C2003-1775	0.20	0.20	ppb	U
104-51-8	n-Butylbenzene	C2003-1775	0.23	0.23	ppb	U
95-93-2	1,2,4,5-Tetramethylbenzene	C2003-1775	0.16	0.16	ppb	U
96-12-8	1,2-Dibromo-3-chloropropane	C2003-1775	0.15	0.15	ppb	U
120-82-1	1,2,4-Trichlorobenzene	C2003-1775	0.21	0.21	ppb	U

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12/07/2005

Volatiles - EPA 8260B

Sample: 0511546-11
Client Sample ID: MW-15 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
87-68-3	Hexachlorobutadiene	C2003-1775	0.57	0.57	ppb	U
91-20-3	Naphthalene	C2003-1775	0.17	0.17	ppb	U
87-61-6	1,2,3-Trichlorobenzene	C2003-1775	0.26	0.26	ppb	U
994-05-8	TAME	C2003-1775	0.13	0.13	ppb	U
75-65-0	Tertiary butyl alcohol	C2003-1775	2.51	2.51	ppb	U
107-13-1	Acrylonitrile	C2003-1775	2.14	2.14	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2003-1775	96.6 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2003-1775	105.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2003-1775	99.1 %	(85 - 112)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511546-7
Client Sample ID: MW-11 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 12:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
1634-04-4	MTBE	C2003-1771	0.15	0.15	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2003-1771	97.2 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2003-1771	105.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2003-1771	102.0 %	(85 - 112)	

Sample: 0511546-8
Client Sample ID: MW-12 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
1634-04-4	MTBE	C2003-1772	3.00	**38.9**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2003-1772	102.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2003-1772	103.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2003-1772	105.0 %	(85 - 112)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511546-9
Client Sample ID: MW-13 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:15

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
1634-04-4	MTBE	C2004-1788	0.15	**6.40**	ppb	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2004-1788	105.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2004-1788	100.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2004-1788	102.0 %	(85 - 112)	

Sample: 0511546-10
Client Sample ID: MW-14 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
1634-04-4	MTBE	C2004-1787	0.15	0.15	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2004-1787	100.0 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2004-1787	96.6 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2004-1787	105.0 %	(85 - 112)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511546-11
Client Sample ID: MW-15 water
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 12/01/2005

Type: Grab

Collected: 11/29/2005 13:45

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
1634-04-4	MTBE	C2003-1775	0.15	0.15	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2003-1775	96.6 %	(90 - 107)	
4774-33-8	DIBROMOFLUOROMETHANE	C2003-1775	105.0 %	(89 - 112)	
2037-26-5	TOLUENE-D8	C2003-1775	99.1 %	(85 - 112)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511546-1
Client Sample ID: MW-14-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 10:00
% Solid: 88.4%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1926-4221	0.94	**2.29**	ppb	Y

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1926-4221	93.9 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1926-4221	93.4 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1926-4221	102.0 %	(80 - 121)	

Sample: 0511546-2
Client Sample ID: MW-14-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 10:10
% Solid: 83.7%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1928-4259	4.96	4.96	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4259	97.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4259	101.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4259	101.0 %	(80 - 121)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511546-3
Client Sample ID: MW-15-10-15ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/02/2005

Type: Composite

Collected: 11/29/2005 11:00
% Solid: 92.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1926-4222	0.90	**2.46**	ppb	Y

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1926-4222	96.4 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1926-4222	91.3 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1926-4222	101.0 %	(80 - 121)	

Sample: 0511546-4
Client Sample ID: MW-15-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 11:10
% Solid: 79.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1928-4249	2.10	2.10	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4249	99.5 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4249	100.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4249	103.0 %	(80 - 121)	

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12/07/2005

MTBE - EPA 8260/8021

Sample: 0511546-5
Client Sample ID: MW-16-5-10ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/05/2005

Type: Composite

Collected: 11/29/2005 12:00
% Solid: 85.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1928-4250	0.97	0.97	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4250	94.9 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4250	101.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4250	102.0 %	(80 - 121)	

Sample: 0511546-6
Client Sample ID: MW-16-15-20ft
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 12/06/2005

Type: Composite

Collected: 11/29/2005 12:10
% Solid: 70.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
1634-04-4	MTBE	B1928-4260	5.91	5.91	ppb	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	B1928-4260	99.7 %	(74 - 117)	
4774-33-8	DIBROMOFLUOROMETHANE	B1928-4260	103.0 %	(85 - 118)	
2037-26-5	TOLUENE-D8	B1928-4260	104.0 %	(80 - 121)	

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12/07/2005

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

EPA 8270:

0511546-5:
This sample was analyzed at a 5X dilution due to high concentrations of target and non-target compounds.
Phenanthrene, Fluoranthene and Pyrene are reported from a 10X dilution due to concentrations exceeding the calibration curve in the 5X dilution.

ETL SAMPLE RECEIPT / QC DISCREPANCY FORM

eleni - c:\excel\qc\misc\"disc_rec"

Prepared By: KGD **Department:** Receiving **Date:** 11/29 **CC:** N11609 / 1546

Sample Information:	
COC #:	N11609 0511546
Date(s) Sampled:	11/29
Date(s) Received:	11/29
Analyses Requested: (list all that apply or attach a copy of COC)	MTBE, 8260, 8270

Discrepancy Information (check all that apply):

- ____ Samples Received Outside of Holding Time
- ____ Sample ID on bottle does not match COC
- NA Improper bottles received for analysis requested
- ____ Sample bottle received broken
- ____ Air bubble / Headspace in VOA Vials
- ____ Number of bottles received does not match COC
- ____ Received unlabelled/illegible sample bottle
- X Insufficient volume/weight received
- ____ COC not properly completed
- ____ Cooler Temperature above 4 deg. C
- ____ Analysis on COC does not match Project Synopsis
- ____ Other (Describe) ____

NOTES: Sample #'s 7 → 11 are 2 VOA's each. Enough for 8260 + MTBE but not for 8270.

COMMENTS:

Discrepancy / QC Problem Resolution:

- X Client notified of problem:

Date of Client Contact: ____

Client Contact Via: ____ telephone ____ fax email other

Client Contacted By: ____

Client Response: "Just run them for 8260 + MTBE please"

- ____ Analyses Performed & Discrepancy stated in Case Narrative
- ____ Other (specify) ____

COMMENTS:

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
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12/07/2005

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

- U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
- J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).
- Y - The concentration reported was detected below the lowest calibration standard concentration.
- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- E - The concentration of the analyte exceeded the calibration range of the instrument.
- D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

- E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

- A - Flame AA
- AS - Semi-automated Spectrophotometric
- AV - Automated Cold Vapor AA
- C - Manual Spectrophotometric
- F - Furnace AA
- P - ICP
- T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

x - Outside Expected Range

ETL

Environmental Testing Laboratories, Inc.
208 Route 109 • Farmingdale • New York 11735
631-249-1456 • Fax: 631-249-8344

CHAIN OF CUSTODY DOCUMENT

N 11609

Project Name: Getty 58014 | Project Manager: Scott C. | Sampler (Signature): [signature] (Print): Kristen Discenza

Project Address: 5510 Broadway, Bronx

Client: Tyree-Latham J/N: 857851 | ☐ Rush by / /

SAMPLE INFO Type: SS = Split Spoon; G = Grab; C = Composite; B = Blank; Matrix: L = Liquid; S = Soil; SL = Sludge; A* = Air; W = Wipe; *Air - Vol. (Liters) include: Flow (CFM)

ID	Date	Time	Type	Matrix	Sample Location	Total. # Cont.	601/602	BTX/BTEX	MTBE	624/8260/8021	625/8270/BN	PCB/Pesticides	Pet.Prods./8100M	RCRA Metals	pH/Flash/React	418.1 - TRPH
1	11/29	10:00	C	S	MW 14 - 5-10ft (Dry)	2		X	X	X						
2	↓	10:10	↓	↓	MW 14 15-20ft	↓		↓	↓	↓						
3	↓	11:00	↓	↓	MW 15 - 10-15ft (Dry)	↓		↓	↓	↓						
4	↓	11:10	↓	↓	MW-15 - 15-20ft	↓		↓	↓	↓						
5	↓	12:00	↓	↓	MW-16 - 5-10ft (dry)	↓		↓	↓	↓						
6	↓	12:10	↓	↓	MW-16 - 15-20ft	↓		↓	↓	↓						
7	↓	12:45	G	L	MW-11 - water	↓		↓	↓	↓						
8	↓	1:00	↓	↓	MW-12 - water	↓		↓	↓	↓						
9	↓	1:15	↓	↓	MW-13 - water	↓		↓	↓	↓						
10	↓	1:30	↓	↓	MW-14 - water	↓		↓	↓	↓						
11	↓	1:45	↓	↓	MW-15 - water	↓		↓	↓	↓						
12																
13																
14																
15																

Relinquished by (Signature):	Date / Time	Printed Name & Agent:	Received by (Signature):	Date / Time	Printed Name & Agent
[signature]	11/29/05 Time 15:45	Kristen Discenza TBES			
Relinquished by (Signature):	**Date / Time**	**Printed Name & Agent:**	**Received for Lab by (Signature):**	**Date / Time**	**Printed Name**
			[signature]	11/29 15:45	Kyle G Becker

Comments & Special Instructions	QA/QC Type:	Number & Type of Containers:	Preservatives:	Temp:
		12-8oz Jars, 10-vials	None, HCL	5°C

QUARTERLY MONITORING REPORT

Site Address:	Getty S/S #58014 5510 Broadway Bronx, New York	**Regulatory Agency:** **Regulatory Contact:** **Case #:**	NYSDEC (Region II) Rui Feng 93-11138
Prepared for:	Getty Properties Corp. 125 Jericho Tpke. Jericho, New York 11753	**Getty Contact:** **Delta Env. Contact:** **Tyree Contact:**	Kevin Shea Paul Lindell Scott Cunningham

Report Date: April 2006

Current Site Status: Active gasoline retail/service station

Monitoring Period: February 2006 – April 2006

Well Information:
Number/type: 15 monitoring wells

Ground Water Monitoring:

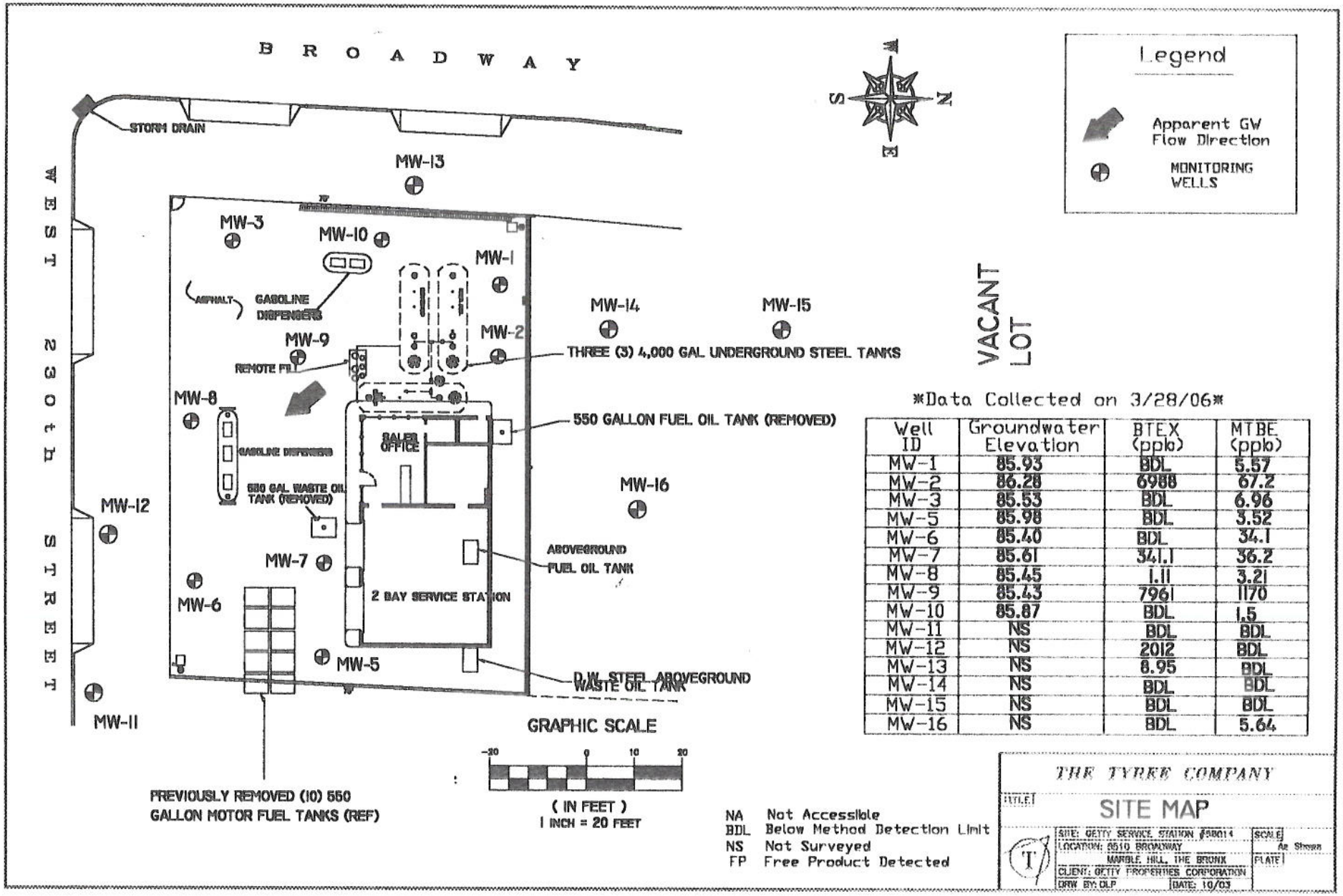
Gauging Frequency:	Quarterly
Sampling Frequency:	Quarterly
Wells containing LNAPL:	None
LNAPL Thickness:	0
Total BTEX:	Non-detect to 7,961 ppb
MTBE:	Non detect to 1,170 ppb
Ground Water Depth:	10.39 feet to 15.40 feet below grade
Ground Water Flow:	Southeasterly
System Air Effluent:	No sample – system off
System Water Effluent:	No sample - system off due to tenants using shed as a storage area for tires, etc.

Remedial Activities:

Dual Phase High Vacuum Extration System – Monthly System Checks, Monthly Sampling of Air Discharge and Water Influent and Effluent

Notes: VES blower being repaired. System will be re-started after VES blower and piping repaired.

THE TYREE COMPANY
1 NORTHWAY LANE
LATHAM, NEW YORK 12110
(518) 786-3200



Data Collected on 3/28/06

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	85.93	BDL	5.57
MW-2	86.28	6988	67.2
MW-3	85.53	BDL	6.96
MW-5	85.98	BDL	3.52
MW-6	85.40	BDL	34.1
MW-7	85.61	341.1	36.2
MW-8	85.45	1.11	3.21
MW-9	85.43	7961	1170
MW-10	85.87	BDL	1.5
MW-11	NS	BDL	BDL
MW-12	NS	2012	BDL
MW-13	NS	8.95	BDL
MW-14	NS	BDL	BDL
MW-15	NS	BDL	BDL
MW-16	NS	BDL	5.64

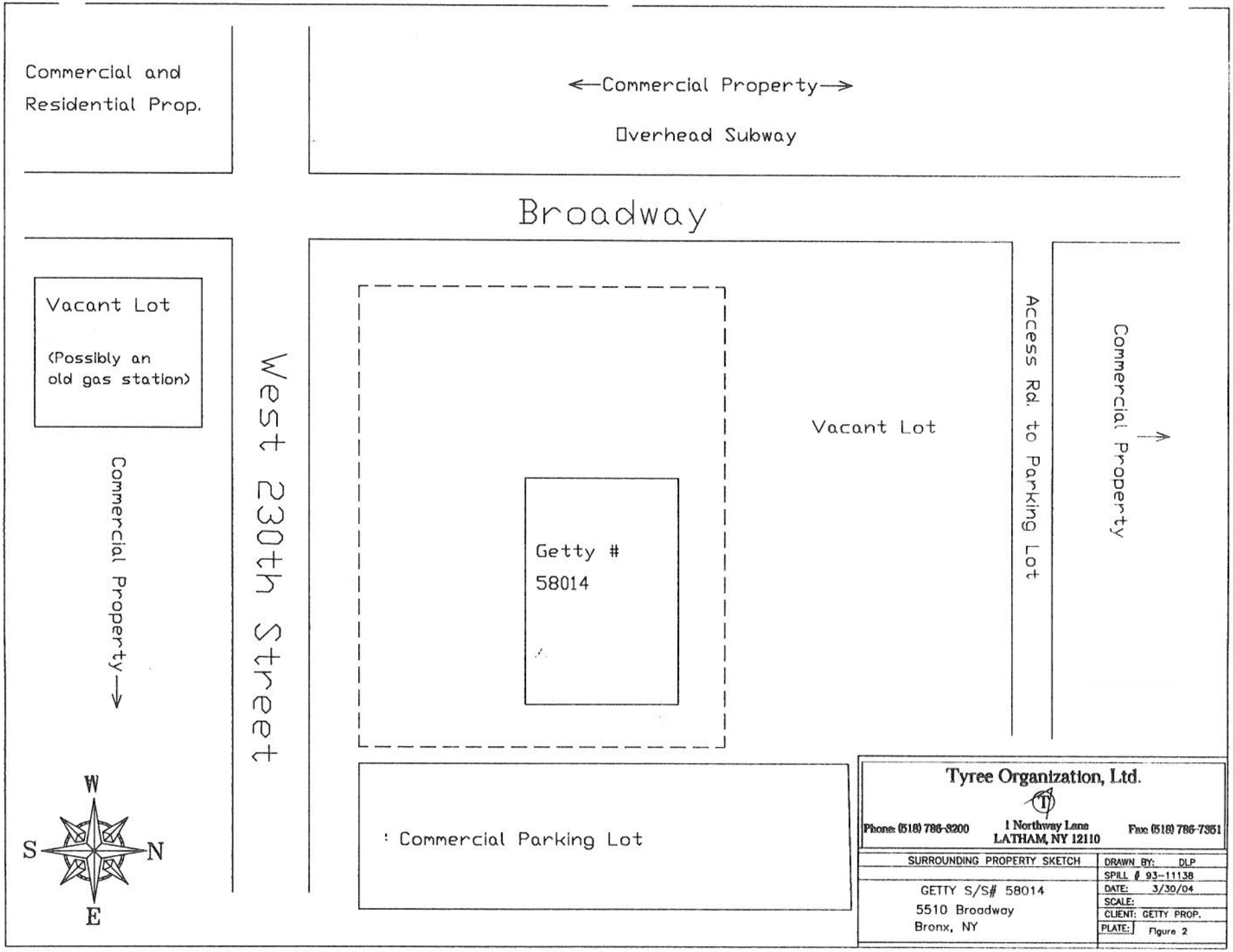
NA Not Accessible
BDL Below Method Detection Limit
NS Not Surveyed
FP Free Product Detected

THE TYREE COMPANY

TITLE: SITE MAP

SITE: GETTY SERVICE STATION #88014
LOCATION: 6510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03

SCALE: As Shown
PLATE:


Commercial and
Residential Prop.
←Commercial Property→
Overhead Subway
Broadway
Vacant Lot
(Possibly an
old gas station)
West 230th Street
Commercial Property→
Getty #
58014
Vacant Lot
Access Rd. to Parking Lot
Commercial Property →
: Commercial Parking Lot
W
S
N
E
Tyree Organization, Ltd.
Phone: (518) 786-3200
1 Northway Lane
LATHAM, NY 12110
Fax: (518) 786-7351
SURROUNDING PROPERTY SKETCH
GETTY S/S# 58014
5510 Broadway
Bronx, NY
DRAWN BY: DLP
SPILL # 93-11138
DATE: 3/30/04
SCALE:
CLIENT: GETTY PROP.
PLATE: Figure 2

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-1	3/31/03	97.42	NP	11.02	0.00	11.02	86.40
	6/12/03		NP	10.32	0.00	10.32	87.10
	9/18/03		NP	11.63	0.00	11.63	85.79
	12/2/03		NP	11.45	0.00	11.45	85.97
	3/16/04		NP	11.33	0.00	11.33	86.09
	7/7/04		NP	11.78	0.00	11.78	85.64
	9/29/04		NP	10.52	0.00	10.52	86.90
	6/27/05		NP	11.69	0.00	11.69	85.73
	9/19/05		NP	12.52	0.00	12.52	84.90
	12/15/05		NP	11.16	0.00	11.16	86.26
	3/28/06		NP	11.49	0.00	11.49	85.93
MW-2	3/31/03	98.00	11.36	11.38	0.02	11.37	86.63
	6/12/03		NP	10.78	0.00	10.78	87.22
	9/18/03		11.97	11.98	0.01	11.97	86.03
	12/2/03		NP	11.91	0.00	11.91	86.09
	3/16/04		NP	11.62	0.00	11.62	86.38
	7/7/04		NP	12.28	0.00	12.28	85.72
	9/29/04		NP	11.40	0.00	11.40	86.60
	6/27/05		NP	12.02	0.00	12.02	85.98
	9/19/05		12.85	12.86	0.01	12.85	85.14
	12/15/05		NP	11.45	0.00	11.45	86.55
	3/28/06		NP	11.72	0.00	11.72	86.28
MW-3	3/31/03	97.23	NP	11.25	0.00	11.25	85.98
	6/12/03		NP	10.79	0.00	10.79	86.44
	9/18/03		NP	11.74	0.00	11.74	85.49
	12/2/03		NP	11.50	0.00	11.50	85.73
	3/16/04		NP	11.45	0.00	11.45	85.78
	7/7/04		NP	11.57	0.00	11.57	85.66
	9/29/04		NP	11.34	0.00	11.34	85.89
	6/27/05		NP	11.82	0.00	11.82	85.41
	9/19/05		NP	12.61	0.00	12.61	84.62
	12/15/05		NP	11.39	0.00	11.39	85.84
	3/28/06		NP	11.70	0.00	11.70	85.53

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-5	3/31/03	99.66	NP	13.54	0.00	13.54	86.12
	6/12/03		NP	12.67	0.00	12.67	86.99
	9/18/03		NP	15.71	0.00	15.71	83.95
	12/2/03		NP	13.63	0.00	13.63	86.03
	3/16/04		NP	13.55	0.00	13.55	86.11
	7/7/04		NP	13.67	0.00	13.67	85.99
	9/29/04		NA	NA	NA	NA	NA
	6/27/05		NP	13.90	0.00	13.90	85.76
	9/19/05		NP	14.69	0.00	14.69	84.97
	12/15/05		NP	13.50	0.00	13.50	86.16
	3/28/06		NP	13.68	0.00	13.68	85.98
MW-6	3/31/03	100.20	NP	14.61	0.00	14.61	85.59
	6/12/03		NP	14.18	0.00	14.18	86.02
	9/18/03		NP	14.72	0.00	14.72	85.48
	12/2/03		NP	14.40	0.00	14.40	85.80
	3/16/04		NP	14.62	0.00	14.62	85.58
	7/7/04		NP	14.59	0.00	14.59	85.61
	9/29/04		NP	13.95	0.00	13.95	86.25
	6/27/05		NP	14.64	0.00	14.64	85.56
	9/19/05		NP	15.64	0.00	15.64	84.56
	12/15/05		NP	14.60	0.00	14.60	85.60
	3/28/06		NP	14.80	0.00	14.80	85.40
MW-7	3/31/03	99.53	NP	13.65	0.00	13.65	85.88
	6/12/03		NP	13.01	0.00	13.01	86.52
	9/18/03		NP	14.09	0.00	14.09	85.44
	12/2/03		NP	13.82	0.00	13.82	85.71
	3/16/04		NP	13.69	0.00	13.69	85.84
	7/7/04		NP	14.05	0.00	14.05	85.48
	9/29/04		NP	13.68	0.00	13.68	85.85
	6/27/05		NP	14.06	0.00	14.06	85.47
	9/19/05		NP	14.82	0.00	14.82	84.71
	12/15/05		NP	13.63	0.00	13.63	85.90
	3/28/06		NP	13.92	0.00	13.92	85.61

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-8	3/31/03	98.77	NP	13.02	0.00	13.02	85.75
	6/12/03		NP	12.34	0.00	12.34	86.43
	9/18/03		NP	13.23	0.00	13.23	85.54
	12/2/03		NP	13.10	0.00	13.10	85.67
	3/16/04		NP	13.22	0.00	13.22	85.55
	7/7/04		NP	13.39	0.00	13.39	85.38
	9/29/04		NP	12.93	0.00	12.93	85.84
	6/27/05		NP	13.41	0.00	13.41	85.36
	9/19/05		NP	14.12	0.00	14.12	84.65
	12/15/05		NP	13.04	0.00	13.04	85.73
	3/28/06		NP	13.32	0.00	13.32	85.45
MW-9	3/31/03	98.27	NP	12.53	0.00	12.53	85.74
	6/12/03		NP	11.89	0.00	11.89	86.38
	9/18/03		NP	13.18	0.00	13.18	85.09
	12/2/03		NP	13.10	0.00	13.10	85.17
	3/16/04		NP	11.95	0.00	11.95	86.32
	7/7/04		NP	13.29	0.00	13.29	84.98
	9/29/04		NP	12.74	0.00	12.74	85.53
	6/27/05		NP	13.19	0.00	13.19	85.08
	9/19/05		NP	13.84	0.00	13.84	84.43
	12/15/05		NP	12.48	0.00	12.48	85.79
	3/28/06		NP	12.84	0.00	12.84	85.43
MW-10	3/31/03	97.08	NP	11.00	0.00	11.00	86.08
	6/12/03		NP	NA	0.00	NA	NA
	9/18/03		NP	11.60	0.00	11.60	85.48
	12/2/03		NP	11.65	0.00	11.65	85.43
	3/16/04		NP	11.20	0.00	11.20	85.88
	7/7/04		NP	11.60	0.00	11.60	85.48
	9/29/04		NP	11.35	0.00	11.35	85.73
	6/27/05		NP	11.56	0.00	11.56	85.52
	9/19/05		NP	12.26	0.00	12.26	84.82
	12/15/05		NP	11.21	0.00	11.21	85.87
	3/28/06		WELL	NOT	ACCESSIBLE		

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-11	12/15/05	N/S	NP	15.35	0.00	15.35	N/S
	3/28/06	N/S	NP	15.40	0.00	15.40	N/S
MW-12	12/15/05	N/S	NP	13.84	0.00	13.84	N/S
	3/28/06	N/S	NP	14.00	0.00	14.00	N/S
MW-13	12/15/05	N/S	NP	11.19	0.00	11.19	N/S
	3/28/06	N/S	NP	11.46	0.00	11.46	N/S
MW-14	12/15/05	N/S	NP	10.47	0.00	10.47	N/S
	3/28/06	N/S	NP	10.67	0.00	10.67	N/S

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-15	12/15/05	N/S	NP	10.83	0.00	10.83	N/S
	3/28/06	N/S	NP	10.94	0.00	10.94	N/S
MW-16	12/15/05	N/S	NP	10.22	0.00	10.22	N/S
	3/28/06	N/S	NP	10.39	0.00	10.39	N/S

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	3/31/03	**25**	BDL	BDL	BDL	25	**30.5**
	6/12/03	**19.2**	1.2	4.98	**8.48**	33.86	5.38
	9/18/03	**25.2**	BDL	BDL	0.93	26.13	9.99
	12/2/03	**51**	4.58	**8.8**	**23.34**	87.72	7.5
	3/16/04	**11**	BDL	BDL	BDL	11	7.99
	7/7/04	**23.8**	BDL	BDL	0.69	24.49	**171**
	9/29/04	**56**	BDL	BDL	0.84	56.84	3.88
	6/27/05	**8.28**	BDL	BDL	BDL	8.28	3.76
	9/19/05	4.13	BDL	BDL	0.7	4.83	4.56
	12/15/05	**5.57**	BDL	BDL	BDL	5.57	4.03
	3/28/06	**1.39**	BDL	BDL	BDL	BDL	5.57
MW-2	3/31/03	FP	FP	FP	FP	FP	FP
	6/12/03	**711**	**713**	**1740**	**4141**	7305	**100**
	9/18/03	FP	FP	FP	FP	FP	FP
	12/2/03	**1350**	**728**	**1450**	**3652**	7180	**279**
	3/16/04	**1410**	**743**	**2100**	**5944**	10197	**286**
	7/7/04	**955**	**478**	**1960**	**4502**	7895	**453**
	9/29/04	**1260**	**1080**	**2160**	**5139**	9639	**529**
	6/27/05	**1060**	**644**	**1980**	**4317**	8001	**163**
	9/19/05	FP	FP	FP	FP	FP	FP
	12/15/05	**1360**	**833**	**1820**	**5066**	9079	**123**
	3/28/06	**701**	**316**	**1760**	**4211**	6988	**67.2**
MW-3	3/31/03	BDL	BDL	BDL	BDL	BDL	**17.5**
	6/12/03	**1.43**	BDL	BDL	BDL	1.43	**128**
	9/18/03	BDL	BDL	BDL	BDL	BDL	**44.4**
	12/2/03	BDL	BDL	BDL	BDL	BDL	**32.5**
	3/16/04	BDL	BDL	BDL	BDL	BDL	**2010**
	7/7/04	BDL	BDL	BDL	BDL	BDL	**3650**
	9/29/04	BDL	BDL	BDL	BDL	BDL	**1190**
	6/27/05	BDL	BDL	BDL	BDL	BDL	**24**
	9/19/05	BDL	BDL	BDL	BDL	BDL	57.1
	12/15/05	0.65	BDL	BDL	BDL	0.65	**12.4**
	3/28/06	BDL	BDL	BDL	BDL	BDL	6.96
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-5	3/31/03	BDL	BDL	BDL	BDL	BDL	**11.2**
	6/12/03	**1.09**	BDL	BDL	BDL	1.09	**12.4**
	9/18/03	BDL	BDL	BDL	BDL	BDL	**28.8**
	12/2/03	**1.17**	BDL	BDL	BDL	1.17	**19.1**
	3/16/04	BDL	BDL	BDL	BDL	BDL	**15.3**
	7/7/04	BDL	BDL	BDL	BDL	BDL	9.27
	9/29/04	NA	NA	NA	NA	NA	NA
	6/27/05	BDL	BDL	BDL	BDL	BDL	6.46
	9/19/05	BDL	BDL	BDL	BDL	BDL	4.21
	12/15/05	0.56	BDL	BDL	BDL	0.56	3.86
	3/28/06	BDL	BDL	BDL	BDL	BDL	3.52
MW-6	3/31/03	**365**	2.41	**16.5**	**17.46**	401.37	**111**
	6/12/03	**27.8**	BDL	**6.14**	3.08	37.02	5.59
	9/18/03	**397**	BDL	**19.9**	**18.3**	435.2	**128**
	12/2/03	**91**	BDL	**9.82**	**8.29**	109.11	**27.4**
	3/16/04	**29.2**	BDL	3.06	2.85	35.11	**40.5**
	7/7/04	**13.1**	BDL	BDL	BDL	13.1	**137**
	9/29/04	**59.2**	1.04	**8.2**	**5.93**	74.37	**42.8**
	6/27/05	**65.3**	0.65	1.59	3.1	70.64	**86.5**
	9/19/05	57.6	BDL	3.4	3.75	64.75	**90.4**
	12/15/05	**53.5**	0.89	1.8	1.77	57.96	**44.3**
	3/28/06	**37.4**	BDL	BDL	BDL	BDL	**34.1**
MW-7	3/31/03	**45.3**	BDL	3.67	**6.06**	55.03	**27.7**
	6/12/03	**289**	**6.6**	**16.6**	**188.6**	500.8	**91.9**
	9/18/03	**394**	4.38	**5.95**	**17.11**	421.44	**143**
	12/2/03	**244**	3.62	**13.5**	**17.25**	278.37	**76.8**
	3/16/04	**420**	4.27	**29.7**	**9.06**	463.03	**107**
	7/7/04	**363**	4.42	**30.6**	**16.7**	414.72	**73.3**
	9/29/04	**353**	**5.01**	**20.2**	**11.41**	389.62	**74.4**
	6/27/05	**364**	3.57	**9.5**	2.95	380.02	**44.3**
	9/19/05	**345**	**6.3**	**12**	**22.49**	385.79	**47.2**
	12/15/05	**440**	**7**	4.28	**6.81**	458.09	**46.6**
	3/28/06	**338**	3.09	BDL	BDL	341.09	**36.2**
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-8	3/31/03	**131**	4.12	**53.6**	**79.7**	268.42	**35.2**
	6/12/03	BDL	BDL	BDL	BDL	BDL	BDL
	9/18/03	**92.2**	3.64	**22.1**	**32.94**	150.88	**41.8**
	12/2/03	**28.4**	0.79	**5.82**	**8.65**	43.66	**10.4**
	3/16/04	**2.74**	BDL	0.58	BDL	3.32	5.19
	7/7/04	**2.57**	BDL	BDL	BDL	2.57	3.82
	9/29/04	BDL	BDL	BDL	BDL	BDL	**19.6**
	6/27/05	12.8	BDL	0.36	2.74	15.9	5.37
	9/19/05	31.5	0.73	2.48	1.17	35.88	**14.5**
	12/15/05	BDL	BDL	BDL	BDL	BDL	2.05
	3/28/06	1.11	BDL	BDL	BDL	1.11	3.21
MW-9	3/31/03	**7770**	BDL	**291**	BDL	8061	**2700**
	6/12/03	**2680**	**19.1**	**107**	**227**	3033.1	**1160**
	9/18/03	**9660**	**40.8**	**163**	**229.3**	10093.1	**2870**
	12/2/03	**8790**	BDL	**114**	**89.3**	8993.3	**2750**
	3/16/04	**2.33**	BDL	BDL	BDL	2.33	**33.7**
	7/7/04	**6730**	**29.8**	**98.8**	**43.8**	6902.4	**1850**
	9/29/04	**7930**	**31.5**	**148**	**52.1**	8161.6	**2860**
	6/27/05	**7300**	**37.3**	**118**	**64.7**	7520	**1610**
	9/19/05	**8720**	**46.2**	**78**	**96.1**	**8940.3**	**2400**
	12/15/05	**9630**	**50.7**	**110**	**62**	9852.7	**2010**
	3/28/06	**7740**	BDL	**114**	**107**	7961	**1170**
MW-10	3/31/03	BDL	BDL	BDL	BDL	BDL	**22.7**
	6/12/03	NS	NS	NS	NS	NS	NS
	9/18/03	**2.96**	BDL	BDL	BDL	2.96	**38.6**
	12/2/03	**7.99**	BDL	BDL	BDL	7.99	**50.9**
	3/16/04	**10200**	**62**	**178**	**161.6**	10601.6	**2620**
	7/7/04	**2.78**	BDL	BDL	BDL	2.78	**80.7**
	9/29/04	BDL	BDL	BDL	BDL	BDL	**320**
	6/27/05	0.63	BDL	BDL	BDL	0.63	**10.6**
	9/19/05	BDL	BDL	BDL	BDL	BDL	6.41
	12/15/05	BDL	BDL	BDL	BDL	BDL	1.5
	3/28/06	NO	SAMPLE				
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product
NS= Not Sampled

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-11	12/15/05	BDL	BDL	BDL	BDL	BDL	BDL
	3/28/06	BDL	BDL	BDL	BDL	BDL	BDL
MW-12	12/15/05	**118**	**59.2**	**502**	**2734**	3407.2	**18.4**
	3/28/06	**96.7**	BDL	**5.3**	**1910**	2012	BDL
MW-13	12/15/05	**6.36**	0.41	BDL	0.74	7.51	0.86
	3/28/06	**7.07**	BDL	BDL	1.88	8.95	BDL
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product
*3/16/2004- System was off for shed repair

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-14	12/15/05	BDL	BDL	BDL	BDL	BDL	BDL
	3/28/06	BDL	BDL	BDL	BDL	BDL	BDL
MW-15	12/15/05	BDL	BDL	BDL	BDL	BDL	BDL
	3/28/06	BDL	BDL	BDL	BDL	BDL	BDL
MW-16	12/15/05	BDL	BDL	BDL	BDL	BDL	2.84
	3/28/06	BDL	BDL	BDL	BDL	BDL	5.64
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product
*3/16/2004- System was off for shed repair

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Sample Point	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
DPHVES AIR	*3/16/2004	NA	NA	NA	NA	NA	NA
	7/7/04	BDL	0.24	BDL	0.14	0.35	BDL
	9/29/04	BDL	BDL	BDL	BDL	BDL	4.01
	12/9/04	BDL	BDL	BDL	BDL	BDL	BDL
	3/30/05	NS	NS	NS	NS	NS	NS
	5/16/05	NS	NS	NS	NS	NS	NS
	7/29/05	BDL	0.17	BDL	BDL	0.17	BDL
	9/15/05	NS	NS	NS	NS	NS	NS
	1/27/06	NS	NS	NS	NS	NS	NS
DPHVES Water Influent	*3/16/2004	NA	NA	NA	NA	NA	NA
	4/19/04	NA	NA	NA	NA	NA	NA
	5/25/04	NA	NA	NA	NA	NA	NA
	7/7/04	NA	NA	NA	NA	NA	NA
	7/16/04	NA	NA	NA	NA	NA	NA
	9/29/04	NA	NA	NA	NA	NA	NA
	12/9/04	NA	NA	NA	NA	NA	NA
	3/30/05	NS	NS	NS	NS	NS	NS
	5/16/05	NS	NS	NS	NS	NS	NS
	7/29/05	NS	NS	NS	NS	NS	NS
	9/15/05	NS	NS	NS	NS	NS	NS
	1/27/06	NS	NS	NS	NS	NS	NS
DPHVES Water Effluent	*3/16/2004	NA	NA	NA	NA	NA	NA
	4/19/04	NA	NA	NA	NA	NA	NA
	5/25/04	NA	NA	NA	NA	NA	NA
	7/7/04	NA	NA	NA	NA	NA	NA
	7/16/04	NA	NA	NA	NA	NA	NA
	9/29/04	NA	NA	NA	NA	NA	NA
	12/9/04	NA	NA	NA	NA	NA	NA
	3/30/05	NS	NS	NS	NS	NS	NS
	5/16/05	NS	NS	NS	NS	NS	NS
	7/29/05	NS	NS	NS	NS	NS	NS
	9/15/05	NS	NS	NS	NS	NS	NS
	1/27/06	NS	NS	NS	NS	NS	NS

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

04/05/2006

Laboratory Identifier: 0603647

Received: 03/31/2006 10:29
Sampled by: Gary Bohan
Job Number: 867645

Client: Tyree Organization (Dept 20)

1 Northway Lane
Latham,
NY 12110

Project: Getty #58014

5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Scott Cunningham

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 11:10

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2113-4584	0.22	**1.39**	ppb	Y
108-88-3	Toluene	A2113-4584	0.28	0.28	ppb	U
108-90-7	Chlorobenzene	A2113-4584	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	A2113-4584	0.16	0.16	ppb	U
108-38-3	m,p-xylene	A2113-4584	0.17	0.17	ppb	U
95-47-6	o-xylene	A2113-4584	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A2113-4584	0.64	0.64	ppb	U
106-46-7	1,4-Dichlorobenzene	A2113-4584	0.16	0.16	ppb	U
95-50-1	1,2-Dichlorobenzene	A2113-4584	0.19	0.19	ppb	U
1634-04-4	Methyl t-butyl ether	A2113-4584	0.40	**5.57**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2113-4584	96.9 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2113-4584	97.0 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2113-4584	97.3 %	(95 - 106)	

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-2
Client Sample ID: MW-2
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 11:20

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4562	11.0	**701**	ppb	
108-88-3	Toluene	A2112-4562	14.0	**316**	ppb	
108-90-7	Chlorobenzene	A2112-4562	8.00	8.00	ppb	U
100-41-4	Ethylbenzene	A2112-4562	8.00	**1760**	ppb	
108-38-3	m,p-xylene	A2112-4562	8.50	**3400**	ppb	
95-47-6	o-xylene	A2112-4562	14.0	**811**	ppb	
541-73-1	1,3-Dichlorobenzene	A2112-4562	32.0	32.0	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4562	8.00	8.00	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4562	9.50	9.50	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4562	20.0	**67.2**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4562	97.6 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4562	96.4 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4562	97.3 %	(95 - 106)	

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-3
Client Sample ID: MW-3
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 11:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4563	0.44	0.44	ppb	U
108-88-3	Toluene	A2112-4563	0.56	0.56	ppb	U
108-90-7	Chlorobenzene	A2112-4563	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A2112-4563	0.32	0.32	ppb	U
108-38-3	m,p-xylene	A2112-4563	0.34	0.34	ppb	U
95-47-6	o-xylene	A2112-4563	0.56	0.56	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4563	1.28	1.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4563	0.32	0.32	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4563	0.38	0.38	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4563	0.80	**6.96**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4563	96.3 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4563	95.0 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4563	97.1 %	(95 - 106)	

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-4
Client Sample ID: MW-5
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 11:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4564	0.44	0.44	ppb	U
108-88-3	Toluene	A2112-4564	0.56	0.56	ppb	U
108-90-7	Chlorobenzene	A2112-4564	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A2112-4564	0.32	0.32	ppb	U
108-38-3	m,p-xylene	A2112-4564	0.34	0.34	ppb	U
95-47-6	o-xylene	A2112-4564	0.56	0.56	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4564	1.28	1.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4564	0.32	0.32	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4564	0.38	0.38	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4564	0.80	**3.52**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4564	97.3 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4564	94.0 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4564	96.7 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-5
Client Sample ID: MW-6
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 11:50

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4565	0.44	**37.4**	ppb	
108-88-3	Toluene	A2112-4565	0.56	0.56	ppb	U
108-90-7	Chlorobenzene	A2112-4565	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A2112-4565	0.32	0.32	ppb	U
108-38-3	m,p-xylene	A2112-4565	0.34	0.34	ppb	U
95-47-6	o-xylene	A2112-4565	0.56	0.56	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4565	1.28	1.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4565	0.32	0.32	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4565	0.38	0.38	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4565	0.80	**34.1**	ppb	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4565	98.2 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4565	95.1 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4565	97.2 %	(95 - 106)	

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-6
Client Sample ID: MW-7
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 12:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4566	1.10	**338**	ppb	
108-88-3	Toluene	A2112-4566	1.40	**3.09**	ppb	Y
108-90-7	Chlorobenzene	A2112-4566	0.80	0.80	ppb	U
100-41-4	Ethylbenzene	A2112-4566	0.80	0.80	ppb	U
108-38-3	m,p-xylene	A2112-4566	0.85	0.85	ppb	U
95-47-6	o-xylene	A2112-4566	1.40	1.40	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4566	3.20	3.20	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4566	0.80	0.80	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4566	0.95	0.95	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4566	2.00	**36.2**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4566	97.3 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4566	94.8 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4566	97.7 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-7
Client Sample ID: MW-8
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 12:10

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4567	0.22	**1.11**	ppb	Y
108-88-3	Toluene	A2112-4567	0.28	0.28	ppb	U
108-90-7	Chlorobenzene	A2112-4567	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	A2112-4567	0.16	0.16	ppb	U
108-38-3	m,p-xylene	A2112-4567	0.17	0.17	ppb	U
95-47-6	o-xylene	A2112-4567	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4567	0.64	0.64	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4567	0.16	0.16	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4567	0.19	0.19	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4567	0.40	**3.21**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4567	96.6 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4567	93.2 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4567	96.7 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-8
Client Sample ID: MW-9
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 12:20

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4568	22.0	**7740**	ppb	
108-88-3	Toluene	A2112-4568	28.0	28.0	ppb	U
108-90-7	Chlorobenzene	A2112-4568	16.0	16.0	ppb	U
100-41-4	Ethylbenzene	A2112-4568	16.0	**114**	ppb	Y
108-38-3	m,p-xylene	A2112-4568	17.0	**107**	ppb	Y
95-47-6	o-xylene	A2112-4568	28.0	28.0	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4568	64.0	64.0	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4568	16.0	16.0	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4568	19.0	19.0	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4568	40.0	**1170**	ppb	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4568	97.9 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4568	94.4 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4568	97.1 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-9
Client Sample ID: MW-11
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 12:30

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4569	0.22	0.22	ppb	U
108-88-3	Toluene	A2112-4569	0.28	0.28	ppb	U
108-90-7	Chlorobenzene	A2112-4569	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	A2112-4569	0.16	0.16	ppb	U
108-38-3	m,p-xylene	A2112-4569	0.17	0.17	ppb	U
95-47-6	o-xylene	A2112-4569	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4569	0.64	0.64	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4569	0.16	0.16	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4569	0.19	0.19	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4569	0.40	0.40	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4569	96.3 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4569	93.7 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4569	96.7 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-10
Client Sample ID: MW-12
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 12:40

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4570	11.0	**96.7**	ppb	Y
108-88-3	Toluene	A2112-4570	14.0	14.0	ppb	U
108-90-7	Chlorobenzene	A2112-4570	8.00	8.00	ppb	U
100-41-4	Ethylbenzene	A2112-4570	8.00	**503**	ppb	
108-38-3	m,p-xylene	A2112-4570	8.50	**1680**	ppb	
95-47-6	o-xylene	A2112-4570	14.0	**230**	ppb	Y
541-73-1	1,3-Dichlorobenzene	A2112-4570	32.0	32.0	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4570	8.00	8.00	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4570	9.50	9.50	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4570	20.0	20.0	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4570	97.2 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4570	95.3 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4570	97.4 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-11
Client Sample ID: MW-13
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 12:50

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2113-4585	0.22	**7.07**	ppb	
108-88-3	Toluene	A2113-4585	0.28	0.28	ppb	U
108-90-7	Chlorobenzene	A2113-4585	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	A2113-4585	0.16	0.16	ppb	U
108-38-3	m,p-xylene	A2113-4585	0.17	**1.88**	ppb	Y
95-47-6	o-xylene	A2113-4585	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A2113-4585	0.64	0.64	ppb	U
106-46-7	1,4-Dichlorobenzene	A2113-4585	0.16	0.16	ppb	U
95-50-1	1,2-Dichlorobenzene	A2113-4585	0.19	0.19	ppb	U
1634-04-4	Methyl t-butyl ether	A2113-4585	0.40	0.40	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2113-4585	101.0 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2113-4585	95.9 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2113-4585	100.0 %	(95 - 106)	

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-12
Client Sample ID: MW-14
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 13:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4572	0.22	0.22	ppb	U
108-88-3	Toluene	A2112-4572	0.28	0.28	ppb	U
108-90-7	Chlorobenzene	A2112-4572	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	A2112-4572	0.16	0.16	ppb	U
108-38-3	m,p-xylene	A2112-4572	0.17	0.17	ppb	U
95-47-6	o-xylene	A2112-4572	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4572	0.64	0.64	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4572	0.16	0.16	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4572	0.19	0.19	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4572	0.40	0.40	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4572	95.7 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4572	94.3 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4572	96.4 %	(95 - 106)	

Environmental Testing Laboratories, Inc.

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-13
Client Sample ID: MW-15
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 13:10

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4573	0.22	0.22	ppb	U
108-88-3	Toluene	A2112-4573	0.28	0.28	ppb	U
108-90-7	Chlorobenzene	A2112-4573	0.16	0.16	ppb	U
100-41-4	Ethylbenzene	A2112-4573	0.16	0.16	ppb	U
108-38-3	m,p-xylene	A2112-4573	0.17	0.17	ppb	U
95-47-6	o-xylene	A2112-4573	0.28	0.28	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4573	0.64	0.64	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4573	0.16	0.16	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4573	0.19	0.19	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4573	0.40	0.40	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4573	96.8 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4573	93.3 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4573	97.3 %	(95 - 106)	

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04/05/2006

Volatile 602 Compounds by EPA Method 624

Sample: 0603647-14
Client Sample ID: MW-16
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 04/04/2006

Type: Grab

Collected: 03/28/2006 13:20

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	A2112-4574	0.44	0.44	ppb	U
108-88-3	Toluene	A2112-4574	0.56	0.56	ppb	U
108-90-7	Chlorobenzene	A2112-4574	0.32	0.32	ppb	U
100-41-4	Ethylbenzene	A2112-4574	0.32	0.32	ppb	U
108-38-3	m,p-xylene	A2112-4574	0.34	0.34	ppb	U
95-47-6	o-xylene	A2112-4574	0.56	0.56	ppb	U
541-73-1	1,3-Dichlorobenzene	A2112-4574	1.28	1.28	ppb	U
106-46-7	1,4-Dichlorobenzene	A2112-4574	0.32	0.32	ppb	U
95-50-1	1,2-Dichlorobenzene	A2112-4574	0.38	0.38	ppb	U
1634-04-4	Methyl t-butyl ether	A2112-4574	0.80	**5.64**	ppb	Y

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	A2112-4574	96.1 %	(79 - 130)	
460-00-4	4-BROMOFLUOROBENZENE	A2112-4574	94.0 %	(84 - 112)	
2037-26-5	TOLUENE-D8	A2112-4574	97.5 %	(95 - 106)	

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04/05/2006

Case Narrative

EPA 624 VOLATILE ANALYSIS:

Acrolein and Acrylonitrile were calibrated at 25, 100, 250, 500 and 750 ppb levels in the Method 624 initial calibration curve.

MTBE, m&p-Xylenes and 2-Chloroethylvinyl ether were calibrated at 10, 40, 100, 200 and 300 ppb levels.

Tert butyl alcohol(TBA) and 1,4-Dioxane were calibrated at 50, 200, 500, 1000 and 1500 ppb levels.

Ethanol and tert-amyl alcohol were calibrated at 200,500,750,1000 and 1250 ppb levels.

All other compounds were calibrated at 5, 20,50, 100 and 150 ppb levels.

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04/05/2006

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).

Y - The concentration reported was detected below the lowest calibration standard concentration.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

NA - Not Applicable

NR - Not Required

* - Outside Expected Range (NYCDEP Table I/II or Surrogate Limits)

x - Outside Expected Range

CHAIN OF CUSTODY

208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

page 1 of 2

06-03647
0603647

Rec'vd Date: 03/31/06 10:29

Client Information

Company Name: Tyree Co
Address:
City: State: Zip:
Project Contact: Scott Cunningham
Phone #: Fax #:
E-mail:

Project Information

Project Name: Getty 58014
Street: 5510 Broadway
City: Bronx State: NY Zip:
Project #: 867645
Sampler's Name: Gary Bohan
Sampler's Signature: Gary Bohan

Analytical Information

☒8260 ☐624 ☐8021 ☒602 ☐BTEX ☒MTBE ☐TBA ☐NAPH ☐TCL ☐STARS ☐TCLP
☐8270 ☐625 ☐TCL ☐STARS ☐AE ☐BN ☐PAH ☐TCLP
☐TIC: ☐+10 ☐+15 ☐+25 ☐+99
☐PEST ☐PCB ☐HERB ☐TCLP ☐VPH ☐EPH ☐DRO ☐GRO ☐8100 ☐NIOSH1500
☐METALS ☐TOTAL ☐TAL ☐RCRA ☐TCLP ☐Mercury ☐Hardness ☐Lead
☐BOD ☐CN ☐TS ☐1664 ☐O&G ☐TPHC ☐FP ☐pH ☐REACT ☐RIC

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Wt/Vol (Air Volume in Liters)	Total # of bottles	NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	8260	TBA	8270	PAH	TIC	PEST	EPH	METALS	Mercury	BOD	pH	(LAB USE ONLY)
	MW-1	G	L	3/28/06	1110		2		2								X										
	MW-2	G	L	3/28/06	1120		2		2								X										
	MW-3	G	L	3/28/06	1130		2		2								X										
	MW-5	G	L	3/28/06	1140		2		2								X										
	MW-6	G	L	3/28/06	1150		2		2								X										
	MW-7	G	L	3/28/06	1200		2		2								X										
	MW-8	G	L	3/28/06	1210		2		2								X										
	MW-9	G	L	3/28/06	1220		2		2								X										
	MW-11	G	L	3/28/06	1230		2		2								X										
	MW-12	G	L	3/28/06	1240		2		2								X										

Turnaround Time (Business Days)

- [X] Standard 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] MA QC Package (LevelMA)
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format _____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

ETL COC Review Check List (LAB USE ONLY)
- ☐ Task Log in and Initial Review Init: Date/Time:
- ☐ Final Review and Approval Init: Date/Time:
- ☐ Complete and Invoiced Init: Date/Time:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Gary Bohan	1 1600 3/28/06	1	2	2 3/31 10:29	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	3	3	4	4	4
Relinquished by:	Date / Time:	Received By:			
5	5	5			

COOLER INFORMATION

Cooler Temp: _____ pH: ☐ On Ice ☐ Sample Receipt Discrepancy (attach information)

06-03647

0603647

Rec'vd Date: 03/31/06 10:29

CHAIN OF CUSTODY

208 Route 109, Farmingdale, NY 11735
(Tel.) 631-249-1456 (Fax) 631-249-8344

page 2 of 2

Client Information

Company Name: Tyree Co.
Address:
City: State: Zip:
Project Contact: Scott Cunningham
Phone #: Fax #:
E-mail:

Project Information

Project Name: Getty 58014
Street: 5510 Broadway
City: Bronx State: NY Zip:
Project #: 867645
Sampler's Name: Gary Bohan
Sampler's Signature: Gary Bohan

Analytical Information

☒ 8260 ☐ 624 ☐ 8021 ☒ 602 ☐ BTEX ☒ MTBE ☐ TBA ☐ NAPH ☐ TCL ☐ STARS ☐ TCLP
☐ 8270 ☐ 625 ☐ TCL ☐ STARS ☐ AE ☐ BN ☐ PAH ☐ TCLP
☐ TIC: ☐ +10 ☐ +15 ☐ +25 ☐ +99
☐ PEST ☐ PCB ☐ HERB ☐ TCLP ☐ VPH ☐ EPH ☐ DRO ☐ GRO ☐ 8100 ☐ NIOSH1500
☐ METALS ☐ TOTAL ☐ TAL ☐ RCRA ☐ TCLP ☐ Mercury ☐ Hardness ☐ Lead
☐ BOD ☐ CN ☐ TS ☐ 1664 ☐ O&G ☐ TPHC ☐ FP ☐ pH ☐ REACT ☐ RIC

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

Sample Information / Sample Collection / Sample Containers

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Sample Type	Matrix Code	Date	Time	Wt/Vol (Air Volume in Liters)	Total # of bottles	NONE	HCl	NaOH	HNO3	H2SO4	NaHSO4	MeOH	OTHER	8260 BTEX MTBE	8270 625 TCL STARS AE BN	TIC: +10 +15 +25 +99	PEST PCB HERB TCLP VPH	METALS TOTAL TAL RCRA TCLP	BOD CN TS 1664 O&G TPHC FP	(LAB USE ONLY)
	MW-13	G	L	3/28/06	1260		2		2							X						
	MW-14	G	L	3/28/06	1300		2		2							X						
	MW-15	G	L	3/28/06	1310		2		2							X						
	MW-16	G	L	3/28/06	1320		2		2							X						

Turnaround Time (Business Days)

- [X] Standard 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] MA QC Package (LevelMA)
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format _____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

Comments / Remarks

ETL COC Review Check List (LAB USE ONLY)

- [ ] Task Log In and Initial Review — Init: ____ Date/Time: ____
- [ ] Final Review and Approval — Init: ____ Date/Time: ____
- [ ] Complete and Invoiced — Init: ____ Date/Time: ____

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Gary Bohan	1600 3/28/06			3/31 10:29	
2						
3						
4						Kyle G Beck
5						

COOLER INFORMATION

Cooler Temp: pH: [ ] On Ice [ ] Sample Receipt Discrepancy (attach information)

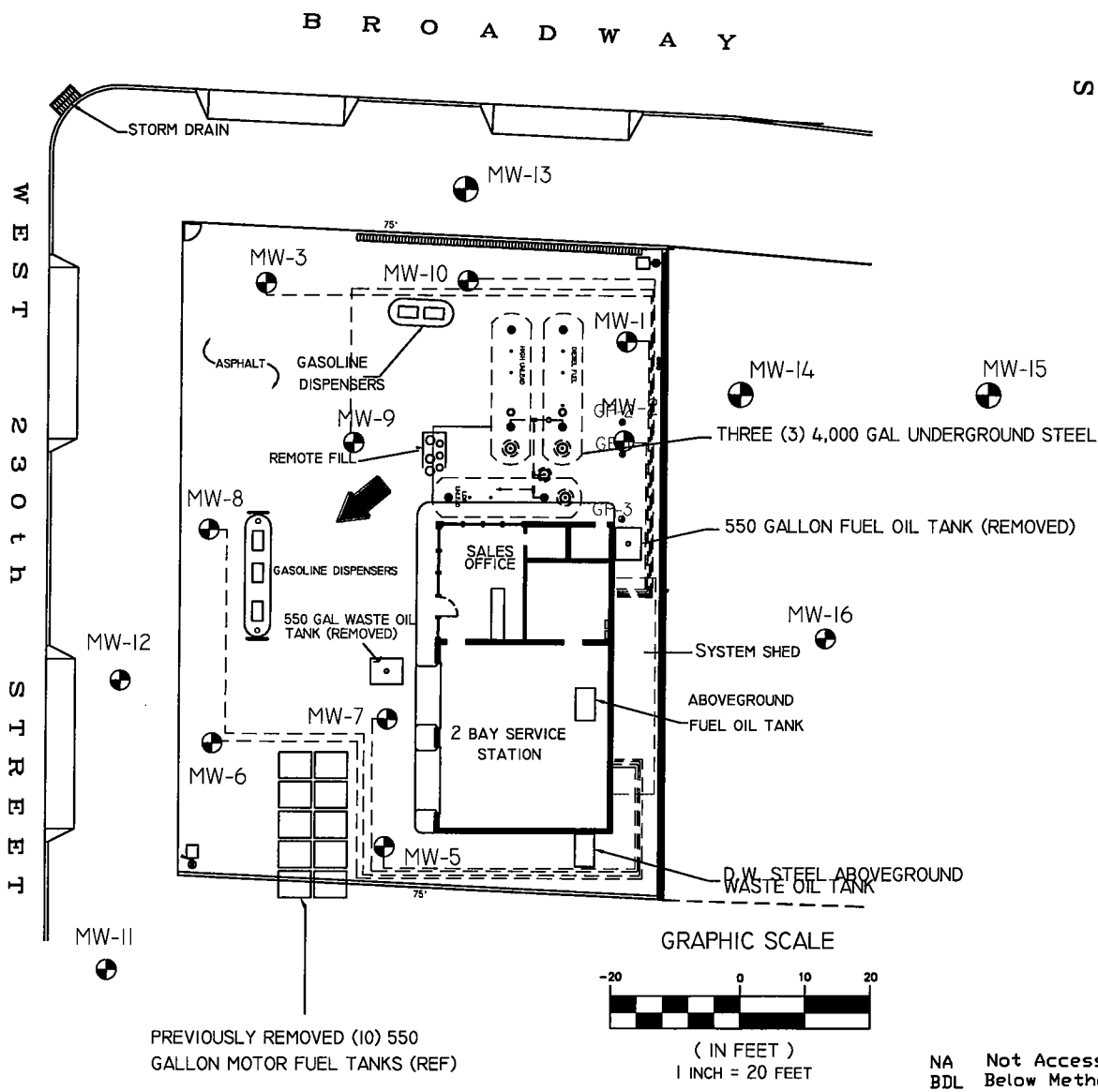
QUARTERLY MONITORING REPORT

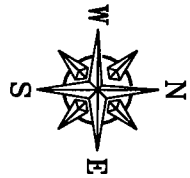
Site Address:	Getty S/S #58014 5510 Broadway Bronx, New York	**Regulatory Agency:** **Regulatory Contact:** **Case #:**	NYSDEC (Region II) Rui Jun Feng 93-11138
Prepared for:	Getty Properties Corp. 125 Jericho Tpke. Jericho, New York 11753	**Getty Contact:** **Delta Env. Contact:** **Tyree Contact:**	Kevin Shea Paul Lindell Dennis Madigan

Report Date:	March 2007
Current Site Status:	Active gasoline retail/service station
Monitoring Period:	December 2006 – March 2007
Well Information:	
Number/type:	15 monitoring wells
Ground Water Monitoring:	
Gauging Frequency:	Quarterly
Sampling Frequency:	Quarterly
Wells containing LNAPL:	None
LNAPL Thickness:	0
Total BTEX:	Non-detect to 6,885.8 ppb
MTBE:	Non detect to 938 ppb
Ground Water Depth:	11.16 feet to 14.53 feet below grade
Ground Water Flow:	Southeasterly
System Air Effluent:	No sample – Will sample system next quarter
System Water Effluent:	No sample - Will sample system next quarter
Remedial Activities:	Dual Phase High Vacuum Extration System – Monthly System Checks, Quarterly Sampling of Air Discharge and Water Influent and Effluent. Currently system is off due to electrical difficulties. Tyree has contacted Con Ed about the situation. MW #16 will be connected to the system during the next quarter.

Notes: Liquid phase not operational as of December 2006 due to electrical issues with Consolidated Edison.

THE TYREE COMPANY
208 ROUTE 109
FARMINGDALE, NEW YORK 11735
(631) 249-3150





Legend

Apparent GW Flow Direction

MONITORING WELLS

Data Collected on 3/13/07

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	88.78	2.7	1.3
MW-2	88.79	4,061	28.1
MW-3	88.33	BDL	4.3
MW-5	88.71	2.1	1.5
MW-6	88.39	21.8	12.3
MW-7	88.39	341.2	18
MW-8	88.21	BDL	BDL
MW-9	85.48	6,885.8	938
MW-10	WNA	WNA	WNA
MW-11	88.28	BDL	BDL
MW-12	88.23	0.64	BDL
MW-13	88.33	9.1	2.5
MW-14	WNA	WNA	WNA
MW-15	WNA	WNA	WNA
MW-16	WNA	WNA	WNA

NA Not Accessible
BDL Below Method Detection Limit
NS Not Surveyed
FP Free Product Detected

THE TYREE COMPANY

TITLE: SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03

SCALE: As Shown
PLATE

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-1	3/31/2003	99.94	NP	11.02	0.00	11.02	88.92
	6/12/2003		NP	10.32	0.00	10.32	89.62
	9/18/2003		NP	11.63	0.00	11.63	88.31
	12/2/2003		NP	11.45	0.00	11.45	88.49
	3/16/2004		NP	11.33	0.00	11.33	88.61
	7/7/2004		NP	11.78	0.00	11.78	88.16
	9/29/2004		NP	10.52	0.00	10.52	89.42
	6/27/2005		NP	11.69	0.00	11.69	88.25
	9/19/2005		NP	12.52	0.00	12.52	87.42
	12/15/2005		NP	11.16	0.00	11.16	88.78
	3/28/2006		NP	11.49	0.00	11.49	88.45
	6/15/2006		NP	10.64	0.00	10.64	89.30
	9/26/2006		NP	11.61	0.00	11.61	88.33
	12/11/2006		NP	11.18	0.00	11.18	88.76
	3/13/2007		NP	11.16	0.00	11.16	88.78
MW-2	3/31/2003	100.23	11.36	11.38	0.02	11.37	88.86
	6/12/2003		NP	10.78	0.00	10.78	89.45
	9/18/2003		11.97	11.98	0.01	11.97	88.26
	12/2/2003		NP	11.91	0.00	11.91	88.32
	3/16/2004		NP	11.62	0.00	11.62	88.61
	7/7/2004		NP	12.28	0.00	12.28	87.95
	9/29/2004		NP	11.40	0.00	11.40	88.83
	6/27/2005		NP	12.02	0.00	12.02	88.21
	9/19/2005		12.85	12.86	0.01	12.85	87.38
	12/15/2005		NP	11.45	0.00	11.45	88.78
	3/28/2006		NP	11.72	0.00	11.72	88.51
	6/15/2006		NP	10.93	0.00	10.93	89.30
	9/26/2006		NP	11.94	0.00	11.94	88.29
	12/11/2006		NP	11.46	0.00	11.46	88.77
	3/13/2007		NP	11.44	0.00	11.44	88.79
MW-3	3/31/2003	99.68	NP	11.25	0.00	11.25	88.43
	6/12/2003		NP	10.79	0.00	10.79	88.89
	9/18/2003		NP	11.74	0.00	11.74	87.94
	12/2/2003		NP	11.50	0.00	11.50	88.18
	3/16/2004		NP	11.45	0.00	11.45	88.23
	7/7/2004		NP	11.57	0.00	11.57	88.11
	9/29/2004		NP	11.34	0.00	11.34	88.34
	6/27/2005		NP	11.82	0.00	11.82	87.86
	9/19/2005		NP	12.61	0.00	12.61	87.07
	12/15/2005		NP	11.39	0.00	11.39	88.29
	3/28/2006		NP	11.70	0.00	11.70	87.98
	6/15/2006		NP	10.81	0.00	10.81	88.87
	9/26/2006		NP	11.48	0.00	11.48	88.20
	12/11/2006		NP	11.35	0.00	11.35	88.33
	3/13/2007		NP	11.35	0.00	11.35	88.33

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-5	3/31/2003	102.10	NP	13.54	0.00	13.54	88.56
	6/12/2003		NP	12.67	0.00	12.67	89.43
	9/18/2003		NP	15.71	0.00	15.71	86.39
	12/2/2003		NP	13.63	0.00	13.63	88.47
	3/16/2004		NP	13.55	0.00	13.55	88.55
	7/7/2004		NP	13.67	0.00	13.67	88.43
	9/29/2004		NA	NA	NA	NA	NA
	6/27/2005		NP	13.90	0.00	13.90	88.20
	9/19/2005		NP	14.69	0.00	14.69	87.41
	12/15/2005		NP	13.50	0.00	13.50	88.60
	3/28/2006		NP	13.68	0.00	13.68	88.42
	6/15/2006		NP	13.07	0.00	13.07	89.03
	9/26/2006		NP	13.72	0.00	13.72	88.38
	12/11/2006		NP	DRY	0.00	DRY	DRY
	3/13/2007		NP	13.39	0.00	13.39	88.71
MW-6	3/31/2003	102.60	NP	14.61	0.00	14.61	87.99
	6/12/2003		NP	14.18	0.00	14.18	88.42
	9/18/2003		NP	14.72	0.00	14.72	87.88
	12/2/2003		NP	14.40	0.00	14.40	88.20
	3/16/2004		NP	14.62	0.00	14.62	87.98
	7/7/2004		NP	14.59	0.00	14.59	88.01
	9/29/2004		NP	13.95	0.00	13.95	88.65
	6/27/2005		NP	14.64	0.00	14.64	87.96
	9/19/2005		NP	15.64	0.00	15.64	86.96
	12/15/2005		NP	14.60	0.00	14.60	88.00
	3/28/2006		NP	14.80	0.00	14.80	87.80
	6/15/2006		NP	14.26	0.00	14.26	88.34
	9/26/2006		NP	14.78	0.00	14.78	87.82
	12/11/2006		NP	14.59	0.00	14.59	88.01
	3/13/2007		NP	14.53	0.00	14.53	88.07
MW-7	3/31/2003	101.98	NP	13.65	0.00	13.65	88.33
	6/12/2003		NP	13.01	0.00	13.01	88.97
	9/18/2003		NP	14.09	0.00	14.09	87.89
	12/2/2003		NP	13.82	0.00	13.82	88.16
	3/16/2004		NP	13.69	0.00	13.69	88.29
	7/7/2004		NP	14.05	0.00	14.05	87.93
	9/29/2004		NP	13.68	0.00	13.68	88.30
	6/27/2005		NP	14.06	0.00	14.06	87.92
	9/19/2005		NP	14.82	0.00	14.82	87.16
	12/15/2005		NP	13.63	0.00	13.63	88.35
	3/28/2006		NP	13.92	0.00	13.92	88.06
	6/15/2006		NP	13.24	0.00	13.24	88.74
	9/26/2006		NP	14.92	0.00	14.92	87.06
	12/11/2006		NP	13.64	0.00	13.64	88.34
	3/13/2007		NP	13.59	0.00	13.59	88.39

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-8	3/31/2003	101.22	NP	13.02	0.00	13.02	88.20
	6/12/2003		NP	12.34	0.00	12.34	88.88
	9/18/2003		NP	13.23	0.00	13.23	87.99
	12/2/2003		NP	13.10	0.00	13.10	88.12
	3/16/2004		NP	13.22	0.00	13.22	88.00
	7/7/2004		NP	13.39	0.00	13.39	87.83
	9/29/2004		NP	12.93	0.00	12.93	88.29
	6/27/2005		NP	13.41	0.00	13.41	87.81
	9/19/2005		NP	14.12	0.00	14.12	87.10
	12/15/2005		NP	13.04	0.00	13.04	88.18
	3/28/2006		NP	13.32	0.00	13.32	87.90
	6/15/2006		NP	12.46	0.00	12.46	88.76
	9/26/2006		NP	13.17	0.00	13.17	88.05
	12/11/2006		NP	12.92	0.00	12.92	88.30
	3/13/2007		NP	13.01	0.00	13.01	88.21
MW-9	3/31/2003	98.27	NP	12.53	0.00	12.53	85.74
	6/12/2003		NP	11.89	0.00	11.89	86.38
	9/18/2003		NP	13.18	0.00	13.18	85.09
	12/2/2003		NP	13.10	0.00	13.10	85.17
	3/16/2004		NP	11.95	0.00	11.95	86.32
	7/7/2004		NP	13.29	0.00	13.29	84.98
	9/29/2004		NP	12.74	0.00	12.74	85.53
	6/27/2005		NP	13.19	0.00	13.19	85.08
	9/19/2005		NP	13.84	0.00	13.84	84.43
	12/15/2005		NP	12.48	0.00	12.48	85.79
	3/28/2006		NP	12.84	0.00	12.84	85.43
	6/15/2006		NP	12.13	0.00	12.13	86.14
	9/26/2006		NP	13.01	0.00	13.01	85.26
	12/11/2006		NP	12.45	0.00	12.45	85.82
	3/13/2007		NP	12.79	0.00	12.79	85.48
MW-10	3/31/2003	97.08	NP	11.00	0.00	11.00	86.08
	6/12/2003		NP	NA	0.00	NA	NA
	9/18/2003		NP	11.60	0.00	11.60	85.48
	12/2/2003		NP	11.65	0.00	11.65	85.43
	3/16/2004		NP	11.20	0.00	11.20	85.88
	7/7/2004		NP	11.60	0.00	11.60	85.48
	9/29/2004		NP	11.35	0.00	11.35	85.73
	6/27/2005		NP	11.56	0.00	11.56	85.52
	9/19/2005		NP	12.26	0.00	12.26	84.82
	12/15/2005		NP	11.21	0.00	11.21	85.87
	3/28/2006		WELL	NOT	ACCESSIBLE		-
	6/15/2006		NP	10.71	0.00	10.71	86.37
	9/26/2006		NP	11.43	0.00	11.43	85.65
	12/11/2006		NP	WNA	0.00	WNA	WNA
	3/13/2007		NP	WNA	0.00	WNA	WNA

GETTY S/S #58014
5510 BROADWAY
BRONX, NY

Groundwater Elevation Summary

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-11	12/15/2005	N/S	NP	15.35	0.00	15.35	N/S
	3/28/2006	N/S	NP	15.40	0.00	15.40	N/S
	6/15/2006	103.47	NP	14.90	0.00	14.90	88.57
	9/26/2006		NP	15.41	0.00	15.41	88.06
	12/11/2006		NP	15.22	0.00	15.22	88.25
	3/13/2007		NP	15.19	0.00	15.19	88.28
MW-12	12/15/2005	N/S	NP	13.84	0.00	13.84	N/S
	3/28/2006	N/S	NP	14.00	0.00	14.00	N/S
	6/15/2006	101.88	NP	13.12	0.00	13.12	88.76
	9/26/2006		NP	13.78	0.00	13.78	88.10
	12/11/2006		NP	13.61	0.00	13.61	88.27
	3/13/2007		NP	13.65	0.00	13.65	88.23
MW-13	12/15/2005	N/S	NP	11.19	0.00	11.19	N/S
	3/28/2006	N/S	NP	11.46	0.00	11.46	N/S
	6/15/2006	99.47	NP	10.73	0.00	10.73	88.74
	9/26/2006		NP	11.43	0.00	11.43	88.04
	12/11/2006		NP	11.13	0.00	11.13	88.34
	3/13/2007		NP	11.14	0.00	11.14	88.33
MW-14	12/15/2005	N/S	NP	10.47	0.00	10.47	N/S
	3/28/2006	N/S	NP	10.67	0.00	10.67	N/S
	6/15/2006	100.26	NP	9.70	0.00	9.70	90.56
	9/26/2006		NP	10.79	0.00	10.79	89.47
	12/11/2006		NP	WNA	0.00	WNA	WNA
	3/13/2007		NP	WNA	0.00	WNA	WNA
MW-15	12/15/2005	N/S	NP	10.83	0.00	10.83	N/S
	3/28/2006	N/S	NP	10.94	0.00	10.94	N/S
	6/15/2006	100.26	NP	10.02	0.00	10.02	90.24
	9/26/2006		NP	11.02	0.00	11.02	89.24
	12/11/2006		NP	WNA	0.00	WNA	WNA
	3/13/2007		NP	WNA	0.00	WNA	WNA
MW-16	12/15/2005	N/S	NP	10.22	0.00	10.22	N/S
	3/28/2006	N/S	NP	10.39	0.00	10.39	N/S
	6/15/2006	100.45	NP	9.71	0.00	9.71	90.74
	9/26/2006		NP	10.64	0.00	10.64	89.81
	12/11/2006		NP	WNA	0.00	WNA	WNA
	3/13/2007		NP	WNA	0.00	WNA	WNA

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	3/31/2003	**25**	BDL	BDL	BDL	25	**30.5**
	6/12/2003	**19.2**	1.2	4.98	**8.48**	33.86	5.38
	9/18/2003	**25.2**	BDL	BDL	0.93	26.13	9.99
	12/2/2003	**51**	4.58	**8.8**	**23.34**	87.72	7.5
	3/16/2004	**11**	BDL	BDL	BDL	11	7.99
	7/7/2004	**23.8**	BDL	BDL	0.69	24.49	**171**
	9/29/2004	**56**	BDL	BDL	0.84	56.84	3.88
	6/27/2005	**8.28**	BDL	BDL	BDL	8.28	3.76
	9/19/2005	**4.13**	BDL	BDL	0.7	4.83	4.56
	12/15/2005	**5.57**	BDL	BDL	BDL	5.57	4.03
	3/28/2006	**1.39**	BDL	BDL	BDL	BDL	5.57
	6/15/06	BDL	BDL	BDL	BDL	BDL	2.84
	9/26/2006	**11.9**	0.67	BDL	1.7	14.27	4.87
	12/11/2006	**1.07**	BDL	BDL	BDL	1.07	3.27
	3/13/2007	**1**	BDL	BDL	1.7	2.7	1.3
MW-2	3/31/2003	FP	FP	FP	FP	FP	FP
	6/12/2003	**711**	**713**	**1740**	**4141**	7305	**100**
	9/18/2003	FP	FP	FP	FP	FP	FP
	12/2/2003	**1350**	**728**	**1450**	**3652**	7180	**279**
	3/16/2004	**1410**	**743**	**2100**	**5944**	10197	**286**
	7/7/2004	**955**	**478**	**1960**	**4502**	7895	**453**
	9/29/2004	**1260**	**1080**	**2160**	**5139**	9639	**529**
	6/27/2005	**1060**	**644**	**1980**	**4317**	8001	**163**
	9/19/2005	FP	FP	FP	FP	FP	FP
	12/15/2005	**1360**	**833**	**1820**	**5066**	9079	**123**
	3/28/2006	**701**	**316**	**1760**	**4211**	6988	**67.2**
	6/15/2006	**714**	**124**	**1770**	**2942**	5550	**103**
	9/26/2006	**586**	**217**	**967**	**1976**	3746	**85**
	12./11/06	**911**	**541**	**1790**	**3872**	7114	**58.9**
	3/13/2007	**497**	**144**	**1190**	**2230**	4061	**28.1**
MW-3	3/31/2003	BDL	BDL	BDL	BDL	BDL	**17.5**
	6/12/2003	**1.43**	BDL	BDL	BDL	1.43	**128**
	9/18/2003	BDL	BDL	BDL	BDL	BDL	**44.4**
	12/2/2003	BDL	BDL	BDL	BDL	BDL	**32.5**
	3/16/2004	BDL	BDL	BDL	BDL	BDL	**2010**
	7/7/2004	BDL	BDL	BDL	BDL	BDL	**3650**
	9/29/2004	BDL	BDL	BDL	BDL	BDL	**1190**
	6/27/2005	BDL	BDL	BDL	BDL	BDL	**24**
	9/19/2005	BDL	BDL	BDL	BDL	BDL	**57.1**
	12/15/2005	0.65	BDL	BDL	BDL	0.65	**12.4**
	3/28/2006	BDL	BDL	BDL	BDL	BDL	6.96
	6/15/2006	BDL	BDL	BDL	BDL	BDL	6.2
	9/26/2006	BDL	BDL	BDL	BDL	BDL	3.87
	12/11/2006	1.04	BDL	BDL	BDL	1.04	5.54
	3/13/2007	BDL	BDL	BDL	BDL	BDL	4.3
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-5	3/31/2003	BDL	BDL	BDL	BDL	BDL	**11.2**
	6/12/2003	**1.09**	BDL	BDL	BDL	1.09	**12.4**
	9/18/2003	BDL	BDL	BDL	BDL	BDL	**28.8**
	12/2/2003	**1.17**	BDL	BDL	BDL	1.17	**19.1**
	3/16/2004	BDL	BDL	BDL	BDL	BDL	**15.3**
	7/7/2004	BDL	BDL	BDL	BDL	BDL	9.27
	9/29/2004	NA	NA	NA	NA	NA	NA
	6/27/2005	BDL	BDL	BDL	BDL	BDL	6.46
	9/19/2005	BDL	BDL	BDL	BDL	BDL	4.21
	12/15/2005	0.56	BDL	BDL	BDL	0.56	3.86
	3/28/2006	BDL	BDL	BDL	BDL	BDL	3.52
	6/15/2006	BDL	BDL	BDL	BDL	BDL	BDL
	9/26/2006	BDL	BDL	BDL	BDL	BDL	2.55
	12/11/2006	DRY	DRY	DRY	DRY	DRY	DRY
	3/13/2007	BDL	BDL	BDL	2.1	2.1	1.5
MW-6	3/31/2003	**365**	2.41	**16.5**	**17.46**	401.37	**111**
	6/12/2003	**27.8**	BDL	**6.14**	3.08	37.02	5.59
	9/18/2003	**397**	BDL	**19.9**	**18.3**	435.2	**128**
	12/2/2003	**91**	BDL	**9.82**	**8.29**	109.11	**27.4**
	3/16/2004	**29.2**	BDL	3.06	2.85	35.11	**40.5**
	7/7/2004	**13.1**	BDL	BDL	BDL	13.1	**137**
	9/29/2004	**59.2**	1.04	**8.2**	**5.93**	74.37	**42.8**
	6/27/2005	**65.3**	0.65	1.59	3.1	70.64	**86.5**
	9/19/2005	**57.6**	BDL	3.4	3.75	64.75	**90.4**
	12/15/2005	**53.5**	0.89	1.8	1.77	57.96	**44.3**
	3/28/2006	**37.4**	BDL	BDL	BDL	BDL	**34.1**
	6/15/2006	**118**	1.7	**6.17**	**17.1**	142.97	**92.4**
	9/26/2006	**51.2**	0.83	3.02	**12.3**	67.35	35.7
	12/11/2006	**43.2**	BDL	BDL	BDL	43.2	**20.1**
	3/13/2007	**20.3**	BDL	BDL	1.5	21.8	**12.3**
MW-7	3/31/2003	**45.3**	BDL	3.67	6.06	55.03	**27.7**
	6/12/2003	**289**	**6.6**	**16.6**	**188.6**	500.8	**91.9**
	9/18/2003	**394**	4.38	**5.95**	**17.11**	421.44	**143**
	12/2/2003	**244**	3.62	**13.5**	**17.25**	278.37	**76.8**
	3/16/2004	**420**	4.27	**29.7**	**9.06**	463.03	**107**
	7/7/2004	**363**	4.42	**30.6**	**16.7**	414.72	**73.3**
	9/29/2004	**353**	**5.01**	**20.2**	**11.41**	389.62	**74.4**
	6/27/2005	**364**	3.57	**9.5**	2.95	380.02	**44.3**
	9/19/2005	**345**	**6.3**	**12**	**22.49**	385.79	**47.2**
	12/15/2005	**440**	**7**	4.28	**6.81**	458.09	**46.6**
	3/28/2006	**338**	3.09	BDL	BDL	341.09	**36.2**
	6/15/2006	**275**	4.76	**5.18**	13.99	298.93	**25.4**
	9/26/2006	**194**	3.44	1.68	**20.97**	220.09	**17.7**
	12/11/2006	**396**	**5.44**	4.17	**4.99**	410.6	**19.9**
	3/13/2007	**329**	**4.5**	3.4	**4.3**	341.2	**18**
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
BOLD = Above Groundwater Protection Criteria
NA = Not Accessible
FP = Free Product

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-8	3/31/2003	**131**	4.12	**53.6**	**79.7**	268.42	**35.2**
	6/12/2003	BDL	BDL	BDL	BDL	BDL	BDL
	9/18/2003	**92.2**	3.64	**22.1**	**32.94**	150.88	**41.8**
	12/2/2003	**28.4**	0.79	**5.82**	**8.65**	43.66	**10.4**
	3/16/2004	2.74	BDL	0.58	BDL	3.32	5.19
	7/7/2004	2.57	BDL	BDL	BDL	2.57	3.82
	9/29/2004	BDL	BDL	BDL	BDL	BDL	**19.6**
	6/27/2005	**12.8**	BDL	0.36	2.74	15.9	5.37
	9/19/2005	**31.5**	0.73	2.48	1.17	35.88	**14.5**
	12/15/2005	BDL	BDL	BDL	BDL	BDL	2.05
	3/28/2006	1.11	BDL	BDL	BDL	1.11	3.21
	6/15/2006	BDL	BDL	BDL	BDL	BDL	BDL
	9/26/2006	BDL	BDL	BDL	BDL	BDL	0.84
	12/11/2006	BDL	BDL	BDL	BDL	BDL	BDL
	3/13/2007	BDL	BDL	BDL	BDL	BDL	BDL
MW-9	3/31/2003	**7770**	BDL	**291**	BDL	8061	**2700**
	6/12/2003	**2680**	**19.1**	**107**	**227**	3033.1	**1160**
	9/18/2003	**9660**	**40.8**	**163**	**229.3**	10093.1	**2870**
	12/2/2003	**8790**	BDL	**114**	**89.3**	8993.3	**2750**
	3/16/2004	**2.33**	BDL	BDL	BDL	2.33	**33.7**
	7/7/2004	**6730**	**29.8**	**98.8**	**43.8**	6902.4	**1850**
	9/29/2004	**7930**	**31.5**	**148**	**52.1**	8161.6	**2860**
	6/27/2005	**7300**	**37.3**	**118**	**64.7**	7520	**1610**
	9/19/2005	**8720**	**46.2**	**78**	**96.1**	8940.3	**2400**
	12/15/2005	**9630**	**50.7**	**110**	**62**	9852.7	**2010**
	3/28/2006	**7740**	BDL	**114**	**107**	7961	**1170**
	6/15/2006	**4190**	**23.8**	**67.7**	BDL	4281.5	**949**
	9/26/2006	**5840**	**28.2**	**63.9**	**75.2**	6007.3	**1130**
	12/11/2006	**6430**	BDL	**133**	**109**	6672	**1410**
	3/13/2007	**6770**	37.6	**52.1**	**26.1**	6885.8	**938**
MW-10	3/31/2003	BDL	BDL	BDL	BDL	BDL	**22.7**
	6/12/2003	NS	NS	NS	NS	NS	NS
	9/18/2003	**2.96**	BDL	BDL	BDL	2.96	**38.6**
	12/2/2003	**7.99**	BDL	BDL	BDL	7.99	**50.9**
	3/16/2004	**10200**	**62**	**178**	**161.6**	10601.6	**2620**
	7/7/2004	**2.78**	BDL	BDL	BDL	2.78	**80.7**
	9/29/2004	BDL	BDL	BDL	BDL	BDL	**320**
	6/27/2005	0.63	BDL	BDL	BDL	0.63	**10.6**
	9/19/2005	BDL	BDL	BDL	BDL	BDL	6.41
	12/15/2005	BDL	BDL	BDL	BDL	BDL	1.5
	3/28/2006	NO	SAMPLE				
	6/15/2006	**4.46**	BDL	BDL	BDL	4.46	7.14
	9/26/2006	BDL	BDL	BDL	BDL	BDL	1.09
	12/11/2006	NA	NA	NA	NA	NA	NA
	3/13/2007	NA	NA	NA	NA	NA	NA
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

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NA = Not Accessible
FP = Free Product
NS= Not Sampled

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-11	12/15/2005	BDL	BDL	BDL	BDL	BDL	BDL
	3/28/2006	BDL	BDL	BDL	BDL	BDL	BDL
	6/15/2006	BDL	BDL	BDL	BDL	BDL	BDL
	9/26/2006	BDL	BDL	BDL	BDL	BDL	BDL
	12/11/2006	BDL	BDL	BDL	BDL	BDL	BDL
	3/13/2007	BDL	BDL	BDL	BDL	BDL	BDL
MW-12	12/15/2005	**118**	**59.2**	**502**	**2734**	3407.2	**18.4**
	3/28/2006	**96.7**	BDL	**5.3**	**1910**	2012	BDL
	6/15/2006	BDL	BDL	BDL	BDL	BDL	BDL
	9/26/2006	BDL	BDL	BDL	BDL	BDL	BDL
	12/11/2006	**2.55**	BDL	**5.73**	12.91	21.19	1.00
	3/13/2007	0.64	BDL	BDL	BDL	0.64	BDL
MW-13	12/15/2005	**6.36**	0.41	BDL	0.74	7.51	0.86
	3/28/2006	**7.07**	BDL	BDL	1.88	8.95	BDL
	6/15/2006	BDL	BDL	BDL	BDL	BDL	2.65
	9/26/2006	**3.69**	BDL	BDL	BDL	3.69	1.61
	12/11/2006	3.62	BDL	BDL	BDL	3.62	2.14
	3/13/2007	6.7	BDL	BDL	2.4	9.1	2.5
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
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NA = Not Accessible
FP = Free Product
*3/16/2004- System was off for shed repair

GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

Groundwater Laboratory Analytical Summary Table

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-14	12/15/2005	BDL	BDL	BDL	BDL	BDL	BDL
	3/28/2006	BDL	BDL	BDL	BDL	BDL	BDL
	6/15/2006	BDL	BDL	BDL	BDL	BDL	BDL
	9/26/2006	BDL	BDL	BDL	BDL	BDL	BDL
	12/11/2006	NA	NA	NA	NA	NA	NA
	3/13/2007	NA	NA	NA	NA	NA	NA
MW-15	12/15/2005	BDL	BDL	BDL	BDL	BDL	BDL
	3/28/2006	BDL	BDL	BDL	BDL	BDL	BDL
	6/15/2006	BDL	BDL	BDL	BDL	BDL	BDL
	9/26/2006	BDL	BDL	BDL	BDL	BDL	BDL
	12/11/2006	NA	NA	NA	NA	NA	NA
	3/13/2007	NA	NA	NA	NA	NA	NA
MW-16	12/15/2005	BDL	BDL	BDL	BDL	BDL	2.84
	3/28/2006	BDL	BDL	BDL	BDL	BDL	5.64
	9/26/2006	BDL	BDL	BDL	BDL	BDL	BDL
	12/11/2006	NA	NA	NA	NA	NA	NA
	3/13/2007	NA	NA	NA	NA	NA	NA
NYS DEC Groundwater Standards		0.7	5	5	5	--	10

BDL = Below Detection Limits
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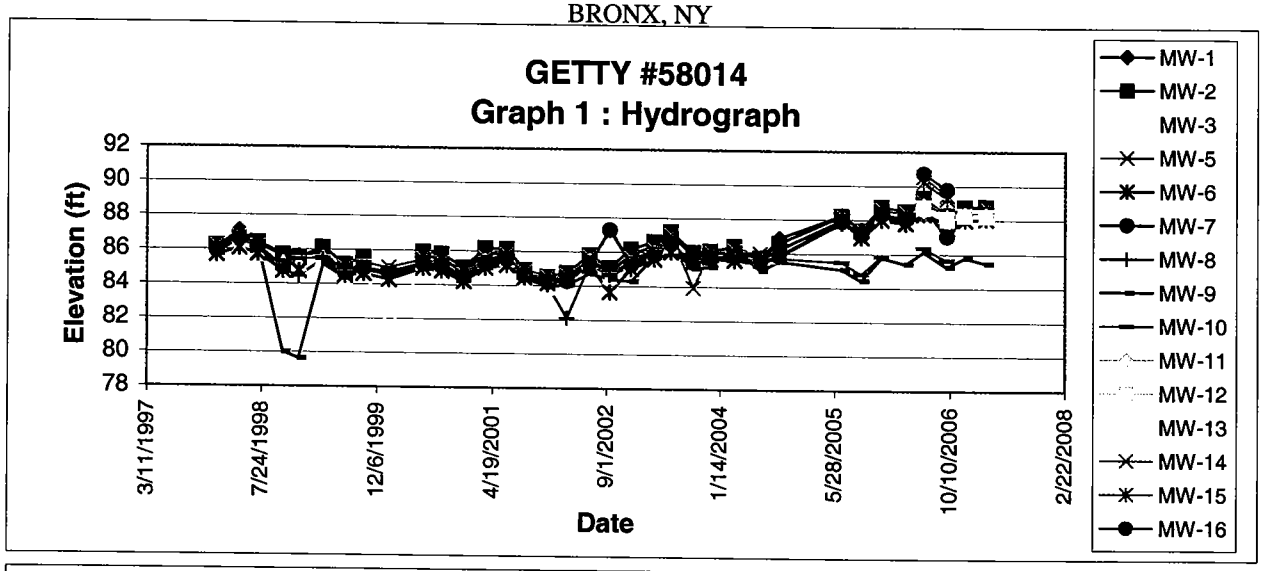
*3/16/2004- System was off for shed repair

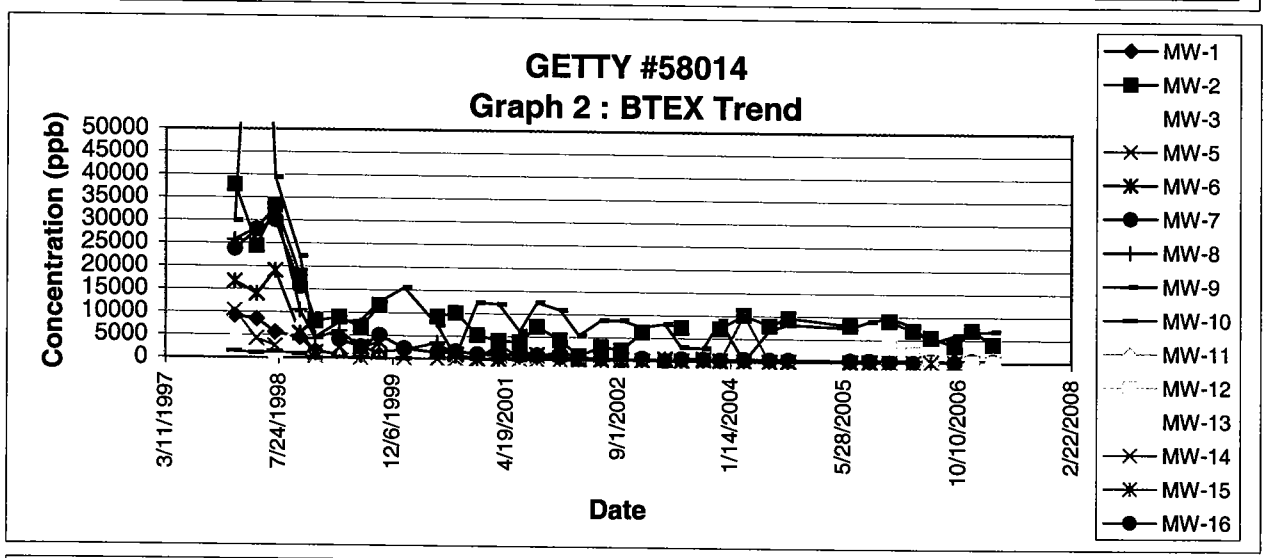
GETTY #58014
5510 BROADWAY AVE.
BRONX, NY

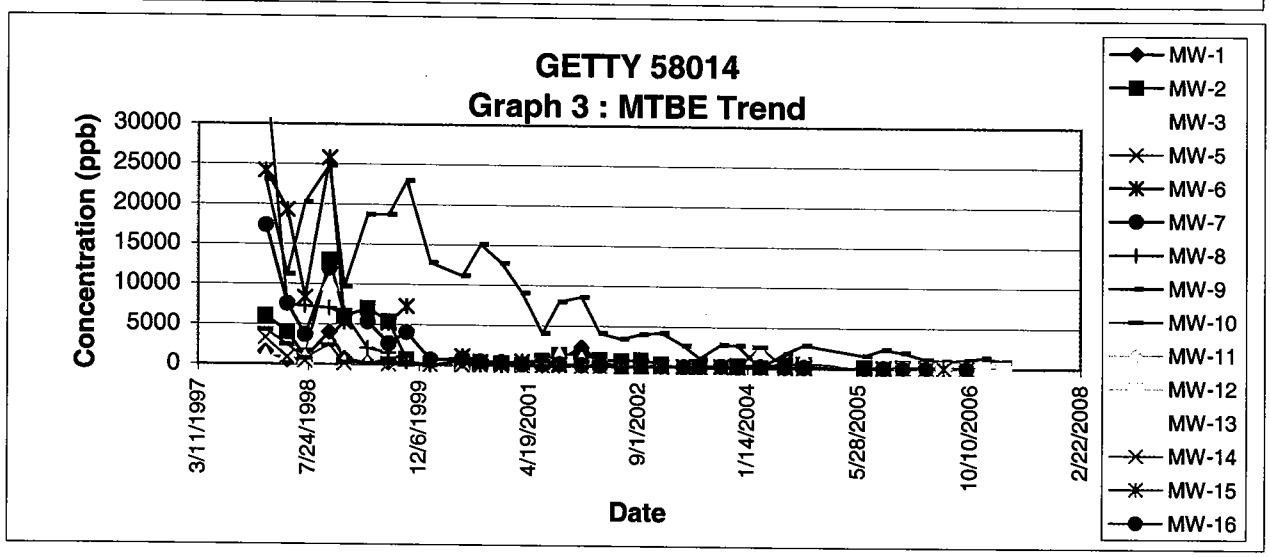
Groundwater Laboratory Analytical Summary Table

Sample Point	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
DPHVES AIR	*3/16/2004	NA	NA	NA	NA	NA	NA
	7/7/2004	BDL	0.24	BDL	0.14	0.35	BDL
	9/29/2004	BDL	BDL	BDL	BDL	BDL	4.01
	12/9/2004	BDL	BDL	BDL	BDL	BDL	BDL
	3/30/2005	NS	NS	NS	NS	NS	NS
	5/16/2005	NS	NS	NS	NS	NS	NS
	7/29/2005	BDL	0.17	BDL	BDL	0.17	BDL
	9/15/2005	NS	NS	NS	NS	NS	NS
	1/27/2006	NS	NS	NS	NS	NS	NS
DPHVES Water Influent	*3/16/2004	NA	NA	NA	NA	NA	NA
	4/19/2004	NA	NA	NA	NA	NA	NA
	5/25/2004	NA	NA	NA	NA	NA	NA
	7/7/2004	NA	NA	NA	NA	NA	NA
	7/16/2004	NA	NA	NA	NA	NA	NA
	9/29/2004	NA	NA	NA	NA	NA	NA
	12/9/2004	NA	NA	NA	NA	NA	NA
	3/30/2005	NS	NS	NS	NS	NS	NS
	5/16/2005	NS	NS	NS	NS	NS	NS
	7/29/2005	NS	NS	NS	NS	NS	NS
	9/15/2005	NS	NS	NS	NS	NS	NS
	1/27/2006	NS	NS	NS	NS	NS	NS
DPHVES Water Effluent	*3/16/2004	NA	NA	NA	NA	NA	NA
	4/19/2004	NA	NA	NA	NA	NA	NA
	5/25/2004	NA	NA	NA	NA	NA	NA
	7/7/2004	NA	NA	NA	NA	NA	NA
	7/16/2004	NA	NA	NA	NA	NA	NA
	9/29/2004	NA	NA	NA	NA	NA	NA
	12/9/2004	NA	NA	NA	NA	NA	NA
	3/30/2005	NS	NS	NS	NS	NS	NS
	5/16/2005	NS	NS	NS	NS	NS	NS
	7/29/2005	NS	NS	NS	NS	NS	NS
	9/15/2005	NS	NS	NS	NS	NS	NS
	1/27/2006	NS	NS	NS	NS	NS	NS

GETTY S/S #58014
5510 BROADWAY
BRONX, NY







New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

03/27/07

Technical Report for

Getty Properties Corporation

TYREECT: Getty 58014. 5510 Broadway. Bronx, NY

878051

Accutest Job Number: M63370

Sampling Date: 03/13/07

Report to:

Tyree organization

dmadigan@tyreeorg.com

ATTN: Dennis Madigan

Total number of pages in report: **18**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

Getty Properties Corporation

Job No: M63370

TYREECT: Getty 58014. 5510 Broadway. Bronx, NY
Project No: 878051

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
M63370-1	03/13/07	10:10 GB	03/14/07	AQ	Ground Water	MW-1
M63370-2	03/13/07	10:20 GB	03/14/07	AQ	Ground Water	MW-2
M63370-3	03/13/07	10:30 GB	03/14/07	AQ	Ground Water	MW-3
M63370-4	03/13/07	10:40 GB	03/14/07	AQ	Ground Water	MW-5
M63370-5	03/13/07	10:50 GB	03/14/07	AQ	Ground Water	MW-6
M63370-6	03/13/07	11:00 GB	03/14/07	AQ	Ground Water	MW-7
M63370-7	03/13/07	11:10 GB	03/14/07	AQ	Ground Water	MW-8
M63370-8	03/13/07	11:20 GB	03/14/07	AQ	Ground Water	MW-9
M63370-9	03/13/07	11:30 GB	03/14/07	AQ	Ground Water	MW-11
M63370-10	03/13/07	11:40 GB	03/14/07	AQ	Ground Water	MW-12
M63370-11	03/13/07	11:50 GB	03/14/07	AQ	Ground Water	MW-13

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	M63370-1	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15846.D	1	03/16/07	AMY	n/a	n/a	MSP539
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	1.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		84-129%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	M63370-2	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15847.D	1	03/16/07	AMY	n/a	n/a	MSP539
Run #2	P15908.D	10	03/17/07	AMY	n/a	n/a	MSP541

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	497 [a]	5.0	ug/l	
108-88-3	Toluene	144	1.0	ug/l	
100-41-4	Ethylbenzene	1190 [a]	10	ug/l	
1330-20-7	Xylene (total)	2230 [a]	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	28.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%	104%	84-129%
2037-26-5	Toluene-D8	100%	100%	80-120%
460-00-4	4-Bromofluorobenzene	96%	97%	82-118%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	M63370-3	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15896.D	1	03/17/07	AMY	n/a	n/a	MSP541
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		84-129%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M63370-4	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15849.D	1	03/16/07	AMY	n/a	n/a	MSP539
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	2.1	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.5	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		84-129%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M63370-5	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15850.D	1	03/16/07	AMY	n/a	n/a	MSP539
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	20.3	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	1.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	12.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		84-129%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	M63370-6	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15851.D	1	03/16/07	AMY	n/a	n/a	MSP539
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	329	0.50	ug/l	
108-88-3	Toluene	4.5	1.0	ug/l	
100-41-4	Ethylbenzene	3.4	1.0	ug/l	
1330-20-7	Xylene (total)	4.3	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	18.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		84-129%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	101%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	M63370-7	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P15852.D	1	03/16/07	AMY	n/a	n/a	MSP539
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		84-129%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	M63370-8	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G68214.D	1	03/20/07	DFT	n/a	n/a	MSG2740
Run #2	G68256.D	20	03/20/07	KT	n/a	n/a	MSG2741

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	6770 [a]	10	ug/l	
108-88-3	Toluene	37.6	1.0	ug/l	
100-41-4	Ethylbenzene	52.1	1.0	ug/l	
1330-20-7	Xylene (total)	26.9	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	938 [a]	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	113%	84-129%
2037-26-5	Toluene-D8	109%	102%	80-120%
460-00-4	4-Bromofluorobenzene	100%	106%	82-118%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M63370-9	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G68275.D	1	03/21/07	KT	n/a	n/a	MSG2742
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	123%		84-129%
2037-26-5	Toluene-D8	107%		80-120%
460-00-4	4-Bromofluorobenzene	100%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M63370-10	**Date Sampled:**	03/13/07
Matrix:	AQ - Ground Water	**Date Received:**	03/14/07
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: Getty 58014. 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G68276.D	1	03/21/07	KT	n/a	n/a	MSG2742
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	0.64	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	123%		84-129%
2037-26-5	Toluene-D8	110%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-118%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M63370
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: GRC
ADDRESS:
CITY, STATE, ZIP:
SEND REPORT TO: Dennis Madigan
PHONE # (631) 249-3150 ext 204

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.: 878051
FAX #:

ANALYTICAL INFORMATION: B/TEX+MTBE 624/8260/VOC/XM

MATRIX CODES: DW - DRINKING WATER; GW - GROUND WATER; WW - WASTE WATER; SO - SOIL; SL - SLUDGE; OI - OIL; LIQ - OTHER LIQUID; SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	B/TEX+MTBE 624/8260/VOC/XM	LAB USE ONLY
-1	MW-1	3/13/07	1010	GB	GW	3	3					X	
-2	MW-2	3/13/07	1020	GB	GW	3	3					X	
-3	MW-3	3/13/07	1030	GB	GW	3	3					X	
-4	MW-5	3/13/07	1040	GB	GW	3	3					X	
-5	MW-6	3/13/07	1050	GB	GW	3	3					X	
-6	MW-7	3/13/07	1100	GB	GW	3	3					X	
-7	MW-8	3/13/07	1110	GB	GW	3	3					X	
-8	MW-9	3/13/07	1120	GB	GW	3	3					X	
-9	MW-11	3/13/07	1130	GB	GW	3	3					X	
-10	MW-12	3/13/07	1140	GB	GW	3	3					X	
-11	MW-13	3/13/07	1150	GB	GW	3	3					X	1A7

DATA TURNAROUND INFORMATION

- ☐ 14 DAYS STANDARD
- ☐ 7 DAYS *RUSH*
- ☐ 48 HOUR EMERGENCY
- ☒ OTHER 10 Day

APPROVED BY: GB

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	1600 3/13/06	1. FedEx	2. FedEx	3/14/07 9:15	2. Mary McCarthy
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☒	ON ICE ☒ TEMPERATURE 2.0 C

M63370: Chain of Custody
Page 1 of 2

Frank D'Agostino

M63370

From: Dennis Madigan [DMadigan@tyreeorg.com]
Sent: Wednesday, March 14, 2007 2:19 PM
To: Frank D'Agostino
Cc: Jennifer Kotch; Robert Szczepanski
Subject: Re: Getty 58014 Bronx, NY, Getty 277 Bronx, NY, and Getty58505, Bronx, NY. Accutest #M63370, M63371, a

8260 BTEX & MTBE please. Also, they have been informed numerous times. However, I'll keep informing them.

Dennis Madigan
The Tyree Company
208 Route 109
Farmingdale, NY 11735
ph- 631-249-3150 x 204
fx- 631-249-3281
cell-631-327-3406

TYREE - Over 75 Years of Quality Service to the Retail Petroleum Industry!

>>> "Frank D'Agostino" <frankd@accutest.com> 03/14/07 10:41AM >>>
Hi Dennis,

There are two VOC methods listed on the COC for these project. It has 624 BTEX & MTBE and 8260 BTEX & MTBE. Which method do you need? Also, if you could inform the field techs not to write both methods on the COC.

Please advise.

Frank D'Agostino
Accutest Laboratories Of New England
495 Technology Center West, Building One Marlborough, MA 01752
Office: 1-508-481-6200 X28
Fax: 1-508-481-7753

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Accutest -- "50 Years of Excellence" -- 1956-2006

QUARTERLY MONITORING REPORT

Site Address:	Getty S/S #58014 5510 Broadway Bronx, New York	**Regulatory Agency:** **Regulatory Contact:** **Case #:**	NYSDEC (Region II) Rui Jun Feng 93-11138
Prepared for:	Getty Properties Corp. 125 Jericho Tpke. Jericho, New York 11753	**Getty Contact:** **Delta Env. Contact:** **Tyree Contact:**	Kevin Shea Paul Lindell Dennis Madigan

Report Date: June 2008

Spill Information:

Cause:	Tank test failure - December 14, 1993
Source:	Former USTs onsite

Current Site Status: Active gasoline retail/service station

Monitoring Period: March 2008 through May 2008

Well Information:

Number/type:	15 monitoring wells

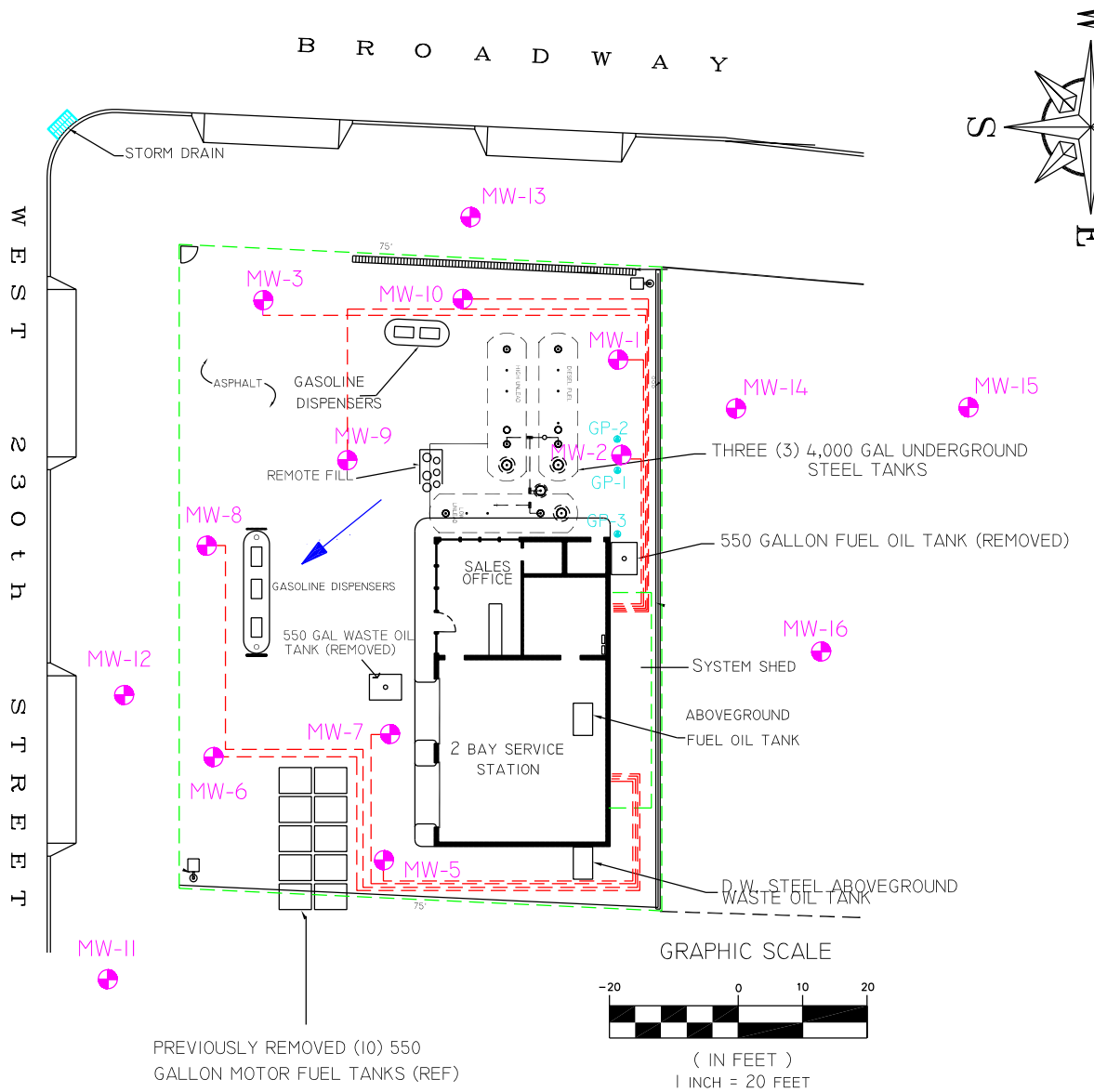
Ground Water Monitoring:

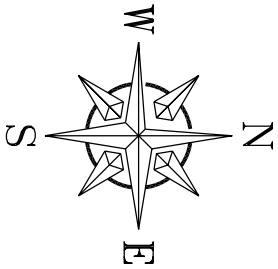
Gauging Frequency:	Quarterly
Sampling Frequency:	Quarterly
Wells containing LNAPL:	None
LNAPL Thickness:	N/A
Total BTEX:	Non-detect to 6,264 ppb
MTBE:	Non detect to 415 ppb
Ethanol:	Not detected
Ground Water Depth:	10.26 feet to 16.88 feet below grade
Ground Water Flow:	Southeasterly
System Air Effluent:	No sample – Will sample system next quarter
System Water Effluent:	No sample - Will sample system next quarter

Remedial Activities: Dual Phase High Vacuum Extration System – Monthly System Checks, Quarterly Sampling of Air Discharge and Water Influent and Effluent. Currently system is off due to electrical difficulties.

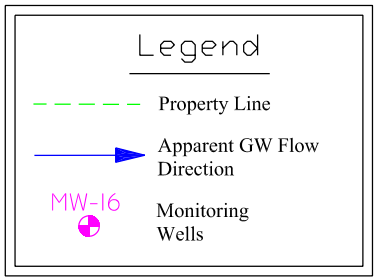
Notes: Liquid phase and soil vapor extraction systems not operational as of December 2005 due to electrical issues with Consolidated Edison.
Four (4) EVRs have been scheduled for monitoring well, MW-16 as per NYSDEC request.

TYREE ENVIRONMENTAL CORPORATION
208 ROUTE 109
FARMINGDALE, NEW YORK 11735
(631) 249-3150





VACANT LOT



Data Collected on 5/2/07

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	88.59	<MDL	2.8
MW-2	88.71	3,002	12.5
MW-3	88.12	8.6	2.7
MW-5	88.32	<MDL	<MDL
MW-6	87.05	40.0	10.2
MW-7	88.05	230	12.9
MW-8	87.82	2.1	1.7
MW-9	84.45	6,264	415
MW-10	85.69	2.1	<MDL
MW-11	86.59	<MDL	<MDL
MW-12	87.67	111	4.7
MW-13	88.14	3.3	<MDL
MW-14	89.83	<MDL	<MDL
MW-15	89.54	<MDL	<MDL
MW-16	90.19	<MDL	<MDL

<MDL- Parameter Below Method Detection Limit
NA- No Sample, WellNot Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corporation

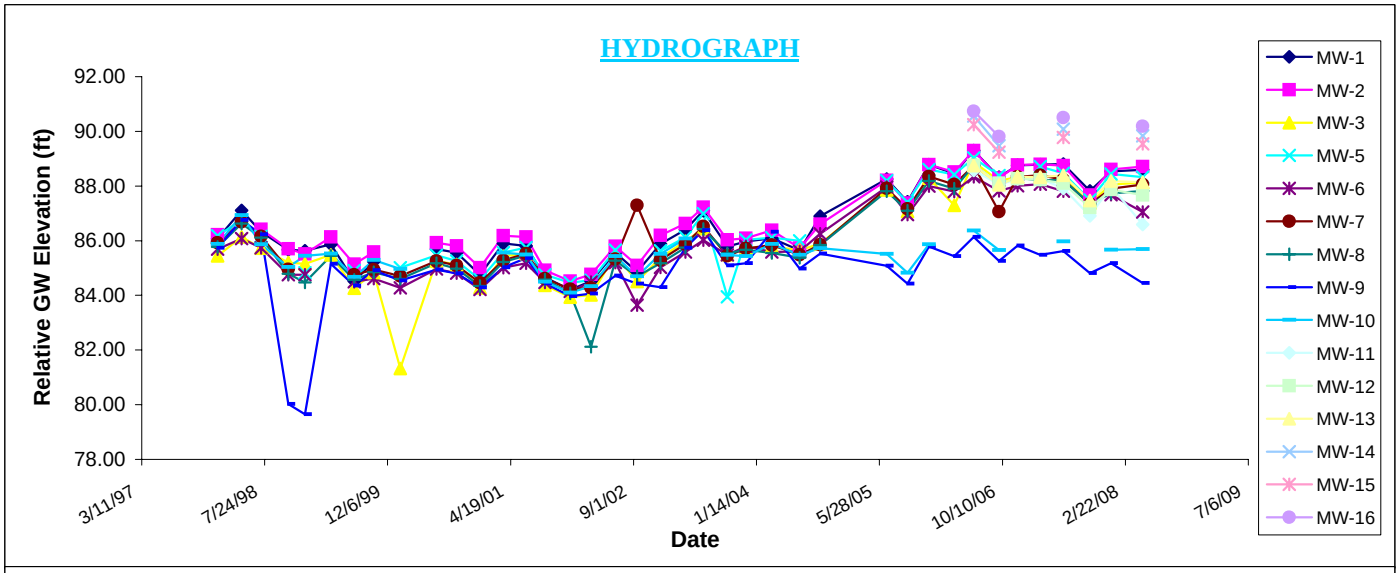
TITLE: QUARTERLY MONITORING REPORT SITE PLAN

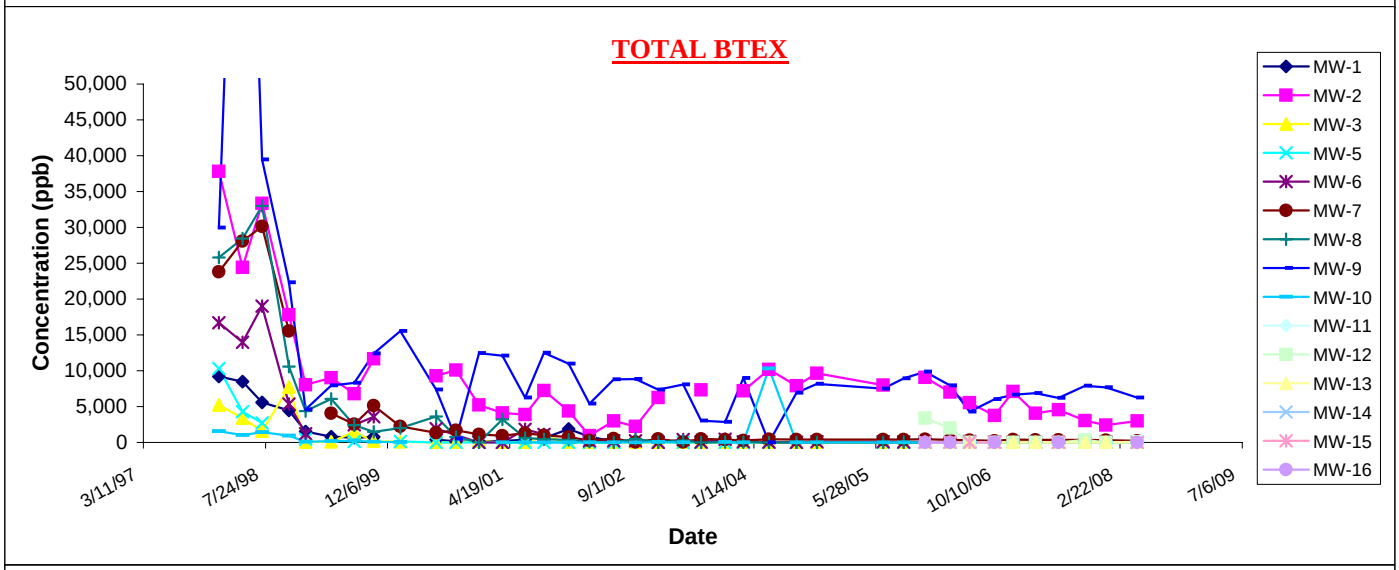
SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP DATE: 10/03

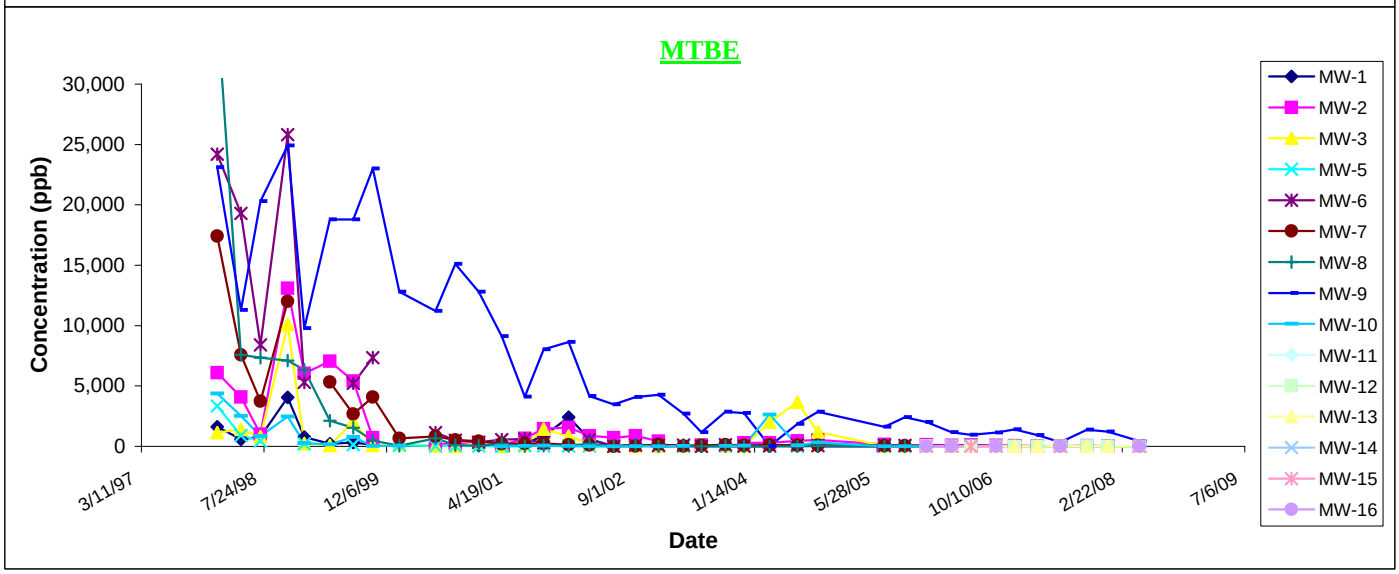
SCALE: As Shown
PLATE: QMR

GETTY #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Quarterly Monitoring Report







GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-1	3/31/03	99.94	NP	11.02	0.00	11.02	88.92
	6/12/03		NP	10.32	0.00	10.32	89.62
	9/18/03		NP	11.63	0.00	11.63	88.31
	12/2/03		NP	11.45	0.00	11.45	88.49
	3/16/04		NP	11.33	0.00	11.33	88.61
	7/7/04		NP	11.78	0.00	11.78	88.16
	9/29/04		NP	10.52	0.00	10.52	89.42
	6/27/05		NP	11.69	0.00	11.69	88.25
	9/19/05		NP	12.52	0.00	12.52	87.42
	12/15/05		NP	11.16	0.00	11.16	88.78
	3/28/06		NP	11.49	0.00	11.49	88.45
	6/15/06		NP	10.64	0.00	10.64	89.30
	9/26/06		NP	11.61	0.00	11.61	88.33
	12/11/06		NP	11.18	0.00	11.18	88.76
	3/13/07		NP	11.16	0.00	11.16	88.78
	6/15/07		NP	11.14	0.00	11.14	88.80
	10/1/07		NP	12.22	0.00	12.22	87.72
	12/26/07		NP	11.41	0.00	11.41	88.53
	5/2/08		NP	11.35	0.00	11.35	88.59
MW-2	3/31/03	100.23	11.36	11.38	0.02	11.37	88.86
	6/12/03		NP	10.78	0.00	10.78	89.45
	9/18/03		11.97	11.98	0.01	11.97	88.26
	12/2/03		NP	11.91	0.00	11.91	88.32
	3/16/04		NP	11.62	0.00	11.62	88.61
	7/7/04		NP	12.28	0.00	12.28	87.95
	9/29/04		NP	11.40	0.00	11.40	88.83
	6/27/05		NP	12.02	0.00	12.02	88.21
	9/19/05		12.85	12.86	0.01	12.85	87.38
	12/15/05		NP	11.45	0.00	11.45	88.78
	3/28/06		NP	11.72	0.00	11.72	88.51
	6/15/06		NP	10.93	0.00	10.93	89.30
	9/26/06		NP	11.94	0.00	11.94	88.29
	12/11/06		NP	11.46	0.00	11.46	88.77
	3/13/07		NP	11.44	0.00	11.44	88.79
	6/15/07		NP	11.48	0.00	11.48	88.75
	10/1/07		NP	12.56	0.00	12.56	87.67
	12/26/07		NP	11.62	0.00	11.62	88.61
	5/2/08		NP	11.52	0.00	11.52	88.71
MW-3	3/31/03	99.68	NP	11.25	0.00	11.25	88.43
	6/12/03		NP	10.79	0.00	10.79	88.89
	9/18/03		NP	11.74	0.00	11.74	87.94
	12/2/03		NP	11.50	0.00	11.50	88.18
	3/16/04		NP	11.45	0.00	11.45	88.23
	7/7/04		NP	11.57	0.00	11.57	88.11
	9/29/04		NP	11.34	0.00	11.34	88.34
	6/27/05		NP	11.82	0.00	11.82	87.86
	9/19/05		NP	12.61	0.00	12.61	87.07
	12/15/05		NP	11.39	0.00	11.39	88.29
	3/28/06		NP	11.70	0.00	11.70	87.98
	6/15/06		NP	10.81	0.00	10.81	88.87
	9/26/06		NP	11.48	0.00	11.48	88.20
	12/11/06		NP	11.35	0.00	11.35	88.33
	3/13/07		NP	11.35	0.00	11.35	88.33
	6/15/07		NP	11.35	0.00	11.35	88.33
	10/1/07		NP	12.30	0.00	12.30	87.38
	12/26/07		NP	11.60	0.00	11.60	88.08
	5/2/08		NP	11.56	0.00	11.56	88.12

NA - Well Not Accessible
NP - No Free Phase Product Detected
NSD - No Survey Data Available

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-5	3/31/03	102.10	NP	13.54	0.00	13.54	88.56
	6/12/03		NP	12.67	0.00	12.67	89.43
	9/18/03		NP	15.71	0.00	15.71	86.39
	12/2/03		NP	13.63	0.00	13.63	88.47
	3/16/04		NP	13.55	0.00	13.55	88.55
	7/7/04		NP	13.67	0.00	13.67	88.43
	9/29/04		NA	NA	NA	NA	NA
	6/27/05		NP	13.90	0.00	13.90	88.20
	9/19/05		NP	14.69	0.00	14.69	87.41
	12/15/05		NP	13.50	0.00	13.50	88.60
	3/28/06		NP	13.68	0.00	13.68	88.42
	6/15/06		NP	13.07	0.00	13.07	89.03
	9/26/06		NP	13.72	0.00	13.72	88.38
	12/11/06		NP	DRY	0.00	DRY	DRY
	3/13/07		NP	13.39	0.00	13.39	88.71
	6/15/07		NP	13.63	0.00	13.63	88.47
	10/1/07		NP	14.61	0.00	14.61	87.49
	12/26/07		NP	13.66	0.00	13.66	88.44
	5/2/08		NP	13.78	0.00	13.78	88.32
MW-6	3/31/03	102.60	NP	14.61	0.00	14.61	87.99
	6/12/03		NP	14.18	0.00	14.18	88.42
	9/18/03		NP	14.72	0.00	14.72	87.88
	12/2/03		NP	14.40	0.00	14.40	88.20
	3/16/04		NP	14.62	0.00	14.62	87.98
	7/7/04		NP	14.59	0.00	14.59	88.01
	9/29/04		NP	13.95	0.00	13.95	88.65
	6/27/05		NP	14.64	0.00	14.64	87.96
	9/19/05		NP	15.64	0.00	15.64	86.96
	12/15/05		NP	14.60	0.00	14.60	88.00
	3/28/06		NP	14.80	0.00	14.80	87.80
	6/15/06		NP	14.26	0.00	14.26	88.34
	9/26/06		NP	14.78	0.00	14.78	87.82
	12/11/06		NP	14.59	0.00	14.59	88.01
	3/13/07		NP	14.53	0.00	14.53	88.07
	6/15/07		NP	14.79	0.00	14.79	87.81
	10/1/07		NP	DRY	0.00	DRY	DRY
	12/26/07		NP	14.92	0.00	14.92	87.68
	5/2/08		NP	15.55	0.00	15.55	87.05
MW-7	3/31/03	101.98	NP	13.65	0.00	13.65	88.33
	6/12/03		NP	13.01	0.00	13.01	88.97
	9/18/03		NP	14.09	0.00	14.09	87.89
	12/2/03		NP	13.82	0.00	13.82	88.16
	3/16/04		NP	13.69	0.00	13.69	88.29
	7/7/04		NP	14.05	0.00	14.05	87.93
	9/29/04		NP	13.68	0.00	13.68	88.30
	6/27/05		NP	14.06	0.00	14.06	87.92
	9/19/05		NP	14.82	0.00	14.82	87.16
	12/15/05		NP	13.63	0.00	13.63	88.35
	3/28/06		NP	13.92	0.00	13.92	88.06
	6/15/06		NP	13.24	0.00	13.24	88.74
	9/26/06		NP	14.92	0.00	14.92	87.06
	12/11/06		NP	13.64	0.00	13.64	88.34
	3/13/07		NP	13.59	0.00	13.59	88.39
	6/15/07		NP	13.75	0.00	13.75	88.23
	10/1/07		NP	14.64	0.00	14.64	87.34
	12/26/07		NP	14.08	0.00	14.08	87.90
	5/2/08		NP	13.93	0.00	13.93	88.05

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-8	3/31/03	101.22	NP	13.02	0.00	13.02	88.20
	6/12/03		NP	12.34	0.00	12.34	88.88
	9/18/03		NP	13.23	0.00	13.23	87.99
	12/2/03		NP	13.10	0.00	13.10	88.12
	3/16/04		NP	13.22	0.00	13.22	88.00
	7/7/04		NP	13.39	0.00	13.39	87.83
	9/29/04		NP	12.93	0.00	12.93	88.29
	6/27/05		NP	13.41	0.00	13.41	87.81
	9/19/05		NP	14.12	0.00	14.12	87.10
	12/15/05		NP	13.04	0.00	13.04	88.18
	3/28/06		NP	13.32	0.00	13.32	87.90
	6/15/06		NP	12.46	0.00	12.46	88.76
	9/26/06		NP	13.17	0.00	13.17	88.05
	12/11/06		NP	12.92	0.00	12.92	88.30
	3/13/07		NP	13.01	0.00	13.01	88.21
	6/15/07		NP	13.00	0.00	13.00	88.22
	10/1/07		NP	13.87	0.00	13.87	87.35
	12/26/07		NP	13.49	0.00	13.49	87.73
	5/2/08		NP	13.40	0.00	13.40	87.82
MW-9	3/31/03	98.27	NP	12.53	0.00	12.53	85.74
	6/12/03		NP	11.89	0.00	11.89	86.38
	9/18/03		NP	13.18	0.00	13.18	85.09
	12/2/03		NP	13.10	0.00	13.10	85.17
	3/16/04		NP	11.95	0.00	11.95	86.32
	7/7/04		NP	13.29	0.00	13.29	84.98
	9/29/04		NP	12.74	0.00	12.74	85.53
	6/27/05		NP	13.19	0.00	13.19	85.08
	9/19/05		NP	13.84	0.00	13.84	84.43
	12/15/05		NP	12.48	0.00	12.48	85.79
	3/28/06		NP	12.84	0.00	12.84	85.43
	6/15/06		NP	12.13	0.00	12.13	86.14
	9/26/06		NP	13.01	0.00	13.01	85.26
	12/11/06		NP	12.45	0.00	12.45	85.82
	3/13/07		NP	12.79	0.00	12.79	85.48
	6/15/07		NP	12.65	0.00	12.65	85.62
	10/1/07		NP	13.46	0.00	13.46	84.81
	12/26/07		NP	13.10	0.00	13.10	85.17
	5/2/08		NP	13.82	0.00	13.82	84.45
MW-10	3/31/03	97.08	NP	11.00	0.00	11.00	86.08
	6/12/03		NP	NA	0.00	NA	NA
	9/18/03		NP	11.60	0.00	11.60	85.48
	12/2/03		NP	11.65	0.00	11.65	85.43
	3/16/04		NP	11.20	0.00	11.20	85.88
	7/7/04		NP	11.60	0.00	11.60	85.48
	9/29/04		NP	11.35	0.00	11.35	85.73
	6/27/05		NP	11.56	0.00	11.56	85.52
	9/19/05		NP	12.26	0.00	12.26	84.82
	12/15/05		NP	11.21	0.00	11.21	85.87
	3/28/06		NA	NA	NA	NA	NA
	6/15/06		NP	10.71	0.00	10.71	86.37
	9/26/06		NP	11.43	0.00	11.43	85.65
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	11.11	0.00	11.11	85.97
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NP	11.41	0.00	11.41	85.67
	5/2/08		NP	11.39	0.00	11.39	85.69

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-11	12/15/05	NSD	NP	15.35	0.00	15.35	NSD
	3/28/06	NSD	NP	15.40	0.00	15.40	NSD
	6/15/06	103.47	NP	14.90	0.00	14.90	88.57
	9/26/06		NP	15.41	0.00	15.41	88.06
	12/11/06		NP	15.22	0.00	15.22	88.25
	3/13/07		NP	15.19	0.00	15.19	88.28
	6/15/07		NP	15.56	0.00	15.56	87.91
	10/1/07		NP	16.56	0.00	16.56	86.91
	12/26/07		NP	15.48	0.00	15.48	87.99
	5/2/08		NP	16.88	0.00	16.88	86.59
MW-12	12/15/05	NSD	NP	13.84	0.00	13.84	NSD
	3/28/06	NSD	NP	14.00	0.00	14.00	NSD
	6/15/06	101.88	NP	13.12	0.00	13.12	88.76
	9/26/06		NP	13.78	0.00	13.78	88.10
	12/11/06		NP	13.61	0.00	13.61	88.27
	3/13/07		NP	13.65	0.00	13.65	88.23
	6/15/07		NP	13.78	0.00	13.78	88.10
	10/1/07		NP	14.67	0.00	14.67	87.21
	12/26/07		NP	14.01	0.00	14.01	87.87
	5/2/08		NP	14.21	0.00	14.21	87.67
MW-13	12/15/05	NSD	NP	11.19	0.00	11.19	NSD
	3/28/06	NSD	NP	11.46	0.00	11.46	NSD
	6/15/06	99.47	NP	10.73	0.00	10.73	88.74
	9/26/06		NP	11.43	0.00	11.43	88.04
	12/11/06		NP	11.13	0.00	11.13	88.34
	3/13/07		NP	11.14	0.00	11.14	88.33
	6/15/07		NP	11.07	0.00	11.07	88.40
	10/1/07		NA	12.00	0.00	12.00	87.47
	12/26/07		NA	11.29	0.00	11.29	88.18
	5/2/08		NA	11.33	0.00	11.33	88.14
MW-14	12/15/05	NSD	NP	10.47	0.00	10.47	NSD
	3/28/06	NSD	NP	10.67	0.00	10.67	NSD
	6/15/06	100.26	NP	9.70	0.00	9.70	90.56
	9/26/06		NP	10.79	0.00	10.79	89.47
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.18	0.00	10.18	90.08
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.43	0.00	10.43	89.83
MW-15	12/15/05	NSD	NP	10.83	0.00	10.83	NSD
	3/28/06	NSD	NP	10.94	0.00	10.94	NSD
	6/15/06	100.26	NP	10.02	0.00	10.02	90.24
	9/26/06		NP	11.02	0.00	11.02	89.24
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.48	0.00	10.48	89.78
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.72	0.00	10.72	89.54
MW-16	12/15/05	NSD	NP	10.22	0.00	10.22	NSD
	3/28/06	NSD	NP	10.39	0.00	10.39	NSD
	6/15/06	100.45	NP	9.71	0.00	9.71	90.74
	9/26/06		NP	10.64	0.00	10.64	89.81
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	9.95	0.00	9.95	90.50
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.26	0.00	10.26	90.19

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NP - No Free Phase Product Detected
NSD - No Survey Data Available

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-1	3/31/03	**25**	<MDL	<MDL	<MDL	25	**31**	
	6/12/03	**19**	1	5	**8**	34	5	
	9/18/03	**25**	<MDL	<MDL	1	26	10	
	12/2/03	**51**	5	**9**	**23**	88	8	
	3/16/04	**11**	<MDL	<MDL	<MDL	11	8	
	7/7/04	**24**	<MDL	<MDL	1	24	**171**	
	9/29/04	**56**	<MDL	<MDL	1	57	4	
	6/27/05	**8**	<MDL	<MDL	<MDL	8	4	
	9/19/05	**4**	<MDL	<MDL	1	5	5	
	12/15/05	**6**	<MDL	<MDL	<MDL	6	4	
	3/28/06	**1**	<MDL	<MDL	<MDL	<MDL	6	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	9/26/06	**12**	1	<MDL	2	14	5	
	12/11/06	**1**	<MDL	<MDL	<MDL	1	3	
	3/13/07	**1**	<MDL	<MDL	2	3	1	
	6/15/07	**1**	<MDL	<MDL	<MDL	1	<MDL	
	10/1/07	**6**	2	0	4	12	3	
	12/26/07	**32**	<MDL	<MDL	5	36	3	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	3	
MW-2	3/31/03	NSP	NSP	NSP	NSP	NSP	NSP	
	6/12/03	**711**	**713**	**1,740**	**4,141**	7,305	**100**	
	9/18/03	NSP	NSP	NSP	NSP	NSP	NSP	
	12/2/03	**1,350**	**728**	**1,450**	**3,652**	7,180	**279**	
	3/16/04	**1,410**	**743**	**2,100**	**5,944**	10,197	**286**	
	7/7/04	**955**	**478**	**1,960**	**4,502**	7,895	**453**	
	9/29/04	**1,260**	**1,080**	**2,160**	**5,139**	9,639	**529**	
	6/27/05	**1,060**	**644**	**1,980**	**4,317**	8,001	**163**	
	9/19/05	NSP	NSP	NSP	NSP	NSP	NSP	
	12/15/05	**1,360**	**833**	**1,820**	**5,066**	9,079	**123**	
	3/28/06	**701**	**316**	**1,760**	**4,211**	6,988	**67**	
	6/15/06	**714**	**124**	**1,770**	**2,942**	5,550	**103**	
	9/26/06	**586**	**217**	**967**	**1,976**	3,746	**85**	
	12./11/06	**911**	**541**	**1,790**	**3,872**	7,114	**59**	
	3/13/07	**497**	**144**	**1,190**	**2,230**	4,061	**28**	
	6/15/07	**383**	**151**	**1,680**	**2,320**	4,534	<MDL	
	10/1/07	**448**	**168**	**1,250**	**1,800**	3,050	**50**	
	12/26/07	**306**	**143**	**728**	**1,240**	2,417	9	
	5/2/28	**453**	**89**	**1,310**	**1,150**	3,002	**12**	<MDL
MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**18**	
	6/12/03	**1**	<MDL	<MDL	<MDL	1	**128**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**44**	
	12/2/03	<MDL	<MDL	<MDL	<MDL	<MDL	**33**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**2,010**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	**3,650**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**1,190**	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	**24**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	**57**	
	12/15/05	1	<MDL	<MDL	<MDL	1	**12**	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	7	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	12/11/06	**1**	<MDL	<MDL	<MDL	1	6	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	12/26/07	**1**	<MDL	<MDL	<MDL	1	2	
	5/2/28	**9**	<MDL	<MDL	<MDL	9	3	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**11**	
	6/12/03	**1**	<MDL	<MDL	<MDL	1	**12**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**29**	
	12/2/03	**1**	<MDL	<MDL	<MDL	1	**19**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**15**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	9	
	9/29/04	NA	NA	NA	NA	NA	NA	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	12/15/05	1	<MDL	<MDL	<MDL	1	4	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	12/11/06	DRY	DRY	DRY	DRY	DRY	DRY	
	3/13/07	<MDL	<MDL	<MDL	2	2	2	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	0	<MDL	<MDL	<MDL	0	1	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-6	3/31/03	**365**	2	**17**	**17**	401	**111**	
	6/12/03	**28**	<MDL	**6**	3	37	6	
	9/18/03	**397**	<MDL	**20**	**18**	435	**128**	
	12/2/03	**91**	<MDL	**10**	**8**	109	**27**	
	3/16/04	**29**	<MDL	3	3	35	**41**	
	7/7/04	**13**	<MDL	<MDL	<MDL	13	**137**	
	9/29/04	**59**	1	**8**	**6**	74	**43**	
	6/27/05	**65**	1	2	3	71	**87**	
	9/19/05	**58**	<MDL	3	4	65	**90**	
	12/15/05	**54**	1	2	2	58	**44**	
	3/28/06	**37**	<MDL	<MDL	<MDL	<MDL	**34**	
	6/15/06	**118**	2	**6**	**17**	143	**92**	
	9/26/06	**51**	1	3	**12**	67	**36**	
	12/11/06	**43**	<MDL	<MDL	<MDL	43	**20**	
	3/13/07	**20**	<MDL	<MDL	2	22	**12**	
	6/15/07	**29**	<MDL	<MDL	<MDL	29	**13**	
	10/1/07	DRY	DRY	DRY	DRY	DRY	DRY	
	12/26/07	**49**	**2**	<MDL	<MDL	51	**15**	
	5/2/28	**40**	<MDL	<MDL	<MDL	40	**10**	
MW-7	3/31/03	**45**	<MDL	4	**6**	55	**28**	
	6/12/03	**289**	**7**	**17**	**189**	501	**92**	
	9/18/03	**394**	4	**6**	**17**	421	**143**	
	12/2/03	**244**	4	**14**	**17**	278	**77**	
	3/16/04	**420**	4	**30**	**9**	463	**107**	
	7/7/04	**363**	4	**31**	**17**	415	**73**	
	9/29/04	**353**	**5**	**20**	**11**	390	**74**	
	6/27/05	**364**	4	**10**	3	380	**44**	
	9/19/05	**345**	**6**	**12**	**22**	386	**47**	
	12/15/05	**440**	**7**	4	**7**	458	**47**	
	3/28/06	**338**	3	<MDL	<MDL	341	**36**	
	6/15/06	**275**	5	**5**	**14**	299	**25**	
	9/26/06	**194**	3	2	**21**	220	**18**	
	12/11/06	**396**	**5**	4	**5**	411	**20**	
	3/13/07	**329**	**5**	3	**4**	341	**18**	
	6/15/07	**330**	**4**	**9**	**2**	345	**20**	
	10/1/07	**335**	**7**	4	**5**	350	**17**	
	12/26/07	**290**	**4**	2	**3**	299	**18**	
	5/2/28	**218**	**3**	**6**	**4**	230	**13**	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-8	3/31/03	**131**	4	**54**	**80**	268	**35**	
	6/12/03	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/18/03	**92**	4	**22**	**33**	151	**42**	
	12/2/03	**28**	1	**6**	**9**	44	**10**	
	3/16/04	**3**	<MDL	1	<MDL	3	5	
	7/7/04	**3**	<MDL	<MDL	<MDL	3	4	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**20**	
	6/27/05	**13**	<MDL	0	3	16	5	
	9/19/05	**32**	1	2	1	36	**15**	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	3/28/06	**1**	<MDL	<MDL	<MDL	1	3	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	1	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	5	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	5/2/28	**2**	<MDL	<MDL	<MDL	**2**	2	<MDL
MW-9	3/31/03	**7,770**	<MDL	**291**	<MDL	8,061	**2,700**	
	6/12/03	**2,680**	**19**	**107**	**227**	3,033	**1,160**	
	9/18/03	**9,660**	**41**	**163**	**229**	10,093	**2,870**	
	12/2/03	**8,790**	<MDL	**114**	**89**	8,993	**2,750**	
	3/16/04	**2**	<MDL	<MDL	<MDL	2	**34**	
	7/7/04	**6,730**	**30**	**99**	**44**	6,902	**1,850**	
	9/29/04	**7,930**	**32**	**148**	**52**	8,162	**2,860**	
	6/27/05	**7,300**	**37**	**118**	**65**	7,520	**1,610**	
	9/19/05	**8,720**	**46**	**78**	**96**	8,940	**2,400**	
	12/15/05	**9,630**	**51**	**110**	**62**	9,853	**2,010**	
	3/28/06	**7,740**	<MDL	**114**	**107**	7,961	**1,170**	
	6/15/06	**4,190**	**24**	**68**	<MDL	4,282	**949**	
	9/26/06	**5,840**	**28**	**64**	**75**	6,007	**1,130**	
	12/11/06	**6,430**	<MDL	**133**	**109**	6,672	**1,410**	
	3/13/07	**6,770**	**38**	**52**	**26**	6,886	**938**	
	6/15/07	**6,090**	**32**	**49**	**47**	6,218	**1,350**	
	10/1/07	**7,720**	**43**	**47**	**93**	7,903	**1,380**	
	12/26/07	**7,520**	**45**	**52**	**81**	7,698	**1,210**	
	5/2/28	**6,070**	**49**	**59**	**86**	6,264	**415**	<MDL
MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**23**	
	6/12/03	**NS**	**NS**	**NS**	**NS**	NS	**NS**	
	9/18/03	**3**	<MDL	<MDL	<MDL	3	**39**	
	12/2/03	**8**	<MDL	<MDL	<MDL	8	**51**	
	3/16/04	**10,200**	**62**	**178**	**162**	10,602	**2,620**	
	7/7/04	**3**	<MDL	<MDL	<MDL	3	**81**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**320**	
	6/27/05	1	<MDL	<MDL	<MDL	1	**11**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	3/28/06	NA	NA	NA	NA	NA	NA	
	6/15/06	**4**	<MDL	<MDL	<MDL	4	7	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	1	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	**2**	<MDL	<MDL	<MDL	2	1	
	5/2/28	**2**	<MDL	<MDL	<MDL	2	<MDL	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	0	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-12	12/15/05	**118**	**59**	**502**	**2,734**	3,407	**18**	
	3/28/06	**97**	<MDL	**5**	**1,910**	2,012	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	**3**	<MDL	**6**	**13**	21	1	
	3/13/07	1	<MDL	<MDL	<MDL	1	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	**109**	**7**	**163**	**70**	348	**21**	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	**21**	**4**	**51**	**35**	111	**5**	
MW-13	12/15/05	**6**	0	<MDL	1	8	1	
	3/28/06	**7**	<MDL	<MDL	2	9	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	9/26/06	**4**	<MDL	<MDL	<MDL	4	2	
	12/11/06	**4**	<MDL	<MDL	<MDL	4	2	
	3/13/07	**7**	<MDL	<MDL	2	9	3	
	6/15/07	**2**	<MDL	<MDL	<MDL	2	<MDL	
	10/1/07	**5**	1	1	3	10	1	
	12/26/07	**11**	<MDL	<MDL	3	14	1	
	5/2/28	**3**	<MDL	<MDL	<MDL	3	<MDL	
MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

New England ACCUTEST LABORATORIES

IT'S ALL IN THE CHEMISTRY

05/16/08

Technical Report for

Getty Properties Corporation

TYREECT: #58014, 5510 Broadway, Bronx, NY

878051

Accutest Job Number: M73109

Sampling Date: 05/02/08

Report to:

Tyree organization

dmadigan@tyreeorg.com

ATTN: Dennis Madigan

Total number of pages in report: **17**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Test results relate only to samples analyzed.

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Sample Summary

Getty Properties Corporation

Job No: M73109

TYREECT: #58014, 5510 Broadway. Bronx, NY
Project No: 878051

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M73109-1	05/02/08	13:10 GB	05/06/08	AQ	Ground Water	MW-1
M73109-2	05/02/08	13:20 GB	05/06/08	AQ	Ground Water	MW-2
M73109-3	05/02/08	13:30 GB	05/06/08	AQ	Ground Water	MW-3
M73109-4	05/02/08	13:40 GB	05/06/08	AQ	Ground Water	MW-5
M73109-5	05/02/08	13:50 GB	05/06/08	AQ	Ground Water	MW-6
M73109-6	05/02/08	14:00 GB	05/06/08	AQ	Ground Water	MW-7
M73109-7	05/02/08	14:10 GB	05/06/08	AQ	Ground Water	MW-8
M73109-8	05/02/08	14:20 GB	05/06/08	AQ	Ground Water	MW-9
M73109-9	05/02/08	14:30 GB	05/06/08	AQ	Ground Water	MW-10
M73109-10	05/02/08	14:40 GB	05/06/08	AQ	Ground Water	MW-11
M73109-11	05/02/08	14:50 GB	05/06/08	AQ	Ground Water	MW-12

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	M73109-1	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81365.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.8	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-130%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	95%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	M73109-2	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81366.D	2	05/14/08	EL	n/a	n/a	MSG3284
Run #2	G81404.D	10	05/14/08	EL	n/a	n/a	MSG3285

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	453	1.0	ug/l	
108-88-3	Toluene	89.3	2.0	ug/l	
100-41-4	Ethylbenzene	1310 [a]	10	ug/l	
1330-20-7	Xylene (total)	1150	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	12.5	2.0	ug/l	
64-17-5	Ethanol	ND	400	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	93%	79-130%
2037-26-5	Toluene-D8	98%	98%	80-120%
460-00-4	4-Bromofluorobenzene	93%	92%	84-115%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	M73109-3	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81367.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	8.6	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.7	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	95%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M73109-4	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81368.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	93%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M73109-5	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81369.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	40.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	94%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	M73109-6	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81370.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	218	0.50	ug/l	
108-88-3	Toluene	3.1	1.0	ug/l	
100-41-4	Ethylbenzene	5.5	1.0	ug/l	
1330-20-7	Xylene (total)	3.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	12.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	M73109-7	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81371.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	2.1	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.7	1.0	ug/l	
64-17-5	Ethanol	ND	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	94%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	M73109-8	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81374.D	20	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	6070	10	ug/l	
108-88-3	Toluene	48.9	20	ug/l	
100-41-4	Ethylbenzene	58.6	20	ug/l	
1330-20-7	Xylene (total)	86.1	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	415	20	ug/l	
64-17-5	Ethanol	ND	4000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	95%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M73109-9	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81375.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	2.1	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	93%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M73109-10	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81376.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	94%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M73109-11	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81377.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	21.3	0.50	ug/l	
108-88-3	Toluene	3.7	1.0	ug/l	
100-41-4	Ethylbenzene	50.8	1.0	ug/l	
1330-20-7	Xylene (total)	35.4	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.7	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	94%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M73109
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: GRC
ADDRESS: 208 Route 109
CITY, STATE, ZIP: Farmingdale, NY 11735
SEND REPORT TO: Dennis Madigan
PHONE #: (631) 249-3150 ext 204

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCL	NaOH	HNO3	H2SO4	NONE	BTEX + MTBE 624/8260	Ethanol
-1	MW-1	5/2/08	1310	GB	GW	3	3					X	
-2	MW-2	5/2/08	1320	GB	GW	6	6					X	X
-3	MW-3	5/2/08	1330	GB	GW	3	3					X	
-4	MW-5	5/2/08	1340	GB	GW	3	3					X	
-5	MW-6	5/2/08	1350	GB	GW	3	3					X	
-6	MW-7	5/2/08	1400	GB	GW	3	3					X	
-7	MW-8	5/2/08	1410	GB	GW	6	6					X	X
-8	MW-9	5/2/08	1420	GB	GW	6	6					X	X
-9	MW-10	5/2/08	1430	GB	GW	3	3					X	
-10	MW-11	5/2/08	1440	GB	GW	3	3					X	
-11	MW-12	5/2/08	1450	GB	GW	3	3					X	

LAB USE ONLY

DATA TURNAROUND INFORMATION

☒ 14 DAYS STANDARD — APPROVED BY:
☐ 7 DAYS *RUSH*
☐ 48 HOUR EMERGENCY
☒ OTHER 10 Day Rush GB

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☐ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

LOC 155

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	5/2/08 1730	1. [illegible]	2. [illegible]	5/6/08 9:20	2. [illegible]
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.		3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☒ TEMPERATURE 3.1 C
5.		5.			

M73109: Chain of Custody
Page 1 of 1

New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

05/16/08

Technical Report for

Getty Properties Corporation

TYREECT: #58014, 5510 Broadway. Bronx, NY

878051

Accutest Job Number: M73107

Sampling Date: 05/02/08

Report to:

Tyree organization

dmadigan@tyreeorg.com

ATTN: Dennis Madigan

Total number of pages in report: 10

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Test results relate only to samples analyzed.

Sections: 1 2 3

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Section 3: Misc. Forms 9
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Sample Summary

Getty Properties Corporation

Job No: M73107

TYREECT: #58014, 5510 Broadway. Bronx, NY
Project No: 878051

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M73107-1	05/02/08	15:00 GB	05/06/08	AQ	Ground Water	MW-13
M73107-2	05/02/08	15:10 GB	05/06/08	AQ	Ground Water	MW-14
M73107-3	05/02/08	15:20 GB	05/06/08	AQ	Ground Water	MW-15
M73107-4	05/02/08	15:30 GB	05/06/08	AQ	Ground Water	MW-16

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M73107-1	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81353.D	1	05/13/08	EL	n/a	n/a	MSG3283
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	3.3	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		79-130%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	92%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M73107-2	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81354.D	1	05/13/08	EL	n/a	n/a	MSG3283
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	92%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M73107-3	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81355.D	1	05/13/08	EL	n/a	n/a	MSG3283
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		79-130%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	93%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	M73107-4	**Date Sampled:**	05/02/08
Matrix:	AQ - Ground Water	**Date Received:**	05/06/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G81364.D	1	05/14/08	EL	n/a	n/a	MSG3284
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		84-115%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M73107
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: GRC
ADDRESS: 208 Route 109
CITY, STATE, ZIP: Farmingdale NY 11735
SEND REPORT TO: Dennis Madigan
PHONE #: (631) 249-3150 ext 204

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

VBTMX BTEX/MTBE/624/8260

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX/MTBE/624/8260	LAB USE ONLY
-1	MW-13	5/2/08	1500	GB	GW	3	3					X	
-2	MW-14	5/2/08	1510	GB	GW	3	3					X	
-3	MW-15	5/2/08	1520	GB	GW	3	3					X	
-4	MW-16	5/2/08	1530	GB	GW	3	3					X	

DATA TURNAROUND INFORMATION

- ☐ 14 DAYS STANDARD
- ☐ 7 DAYS RUSH
- ☐ 48 HOUR EMERGENCY
- ☒ OTHER 10 Day Rush

APPROVED BY: GB

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☐ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

LOC 153

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	5/2/08 1730	1. RCK	2. RCK	5/6/08 920	2. William Akell
3.		3.	4.		4.
5.		5.			

SEAL #: PRESERVE WHERE APPLICABLE ☐ ON ICE ☐ TEMPERATURE 3.1 C

M73107: Chain of Custody
Page 1 of 1

QUARTERLY MONITORING REPORT

Site Address:	Getty S/S #58014 5510 Broadway Bronx, New York	**Regulatory Agency:** **Regulatory Contact:** **Case #:**	NYSDEC (Region II) Rui Jun Feng 93-11138
Prepared for:	Getty Properties Corp. 125 Jericho Tpke. Jericho, New York 11753	**Getty Contact:** **Delta Env. Contact:** **Tyree Contact:**	Kevin Shea Paul Lindell Dennis Madigan

Report Date: December 2008

Spill Information:

Cause:	Tank test failure - December 14, 1993
Source:	Former USTs onsite

Current Site Status: Active gasoline retail/service station

Monitoring Period: August 2008 through October 2008

Well Information:

Number/type:	15 monitoring wells

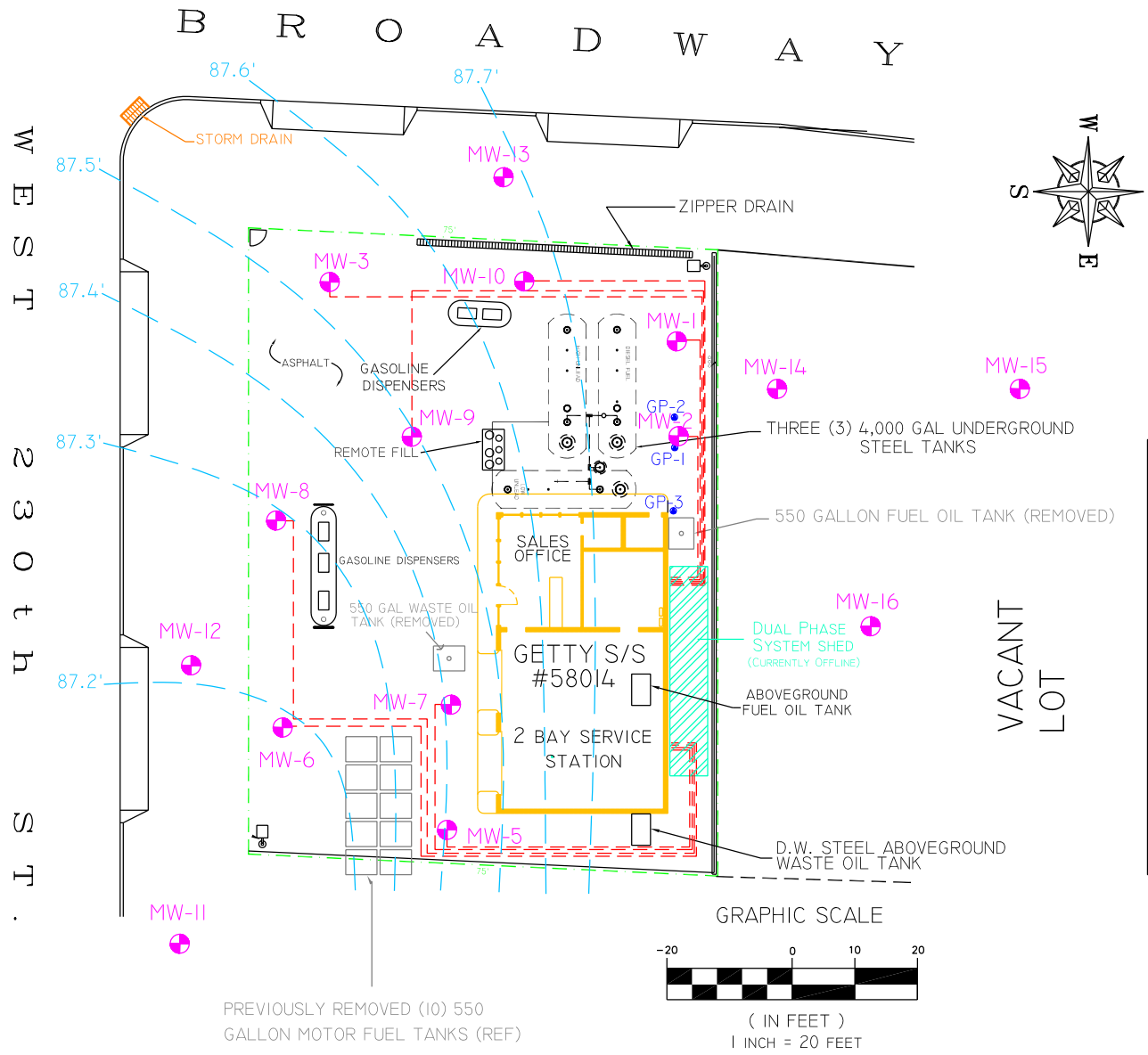
Ground Water Monitoring:

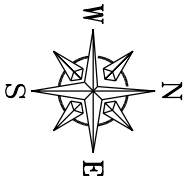
Gauging Frequency:	Quarterly
Sampling Frequency:	Quarterly
Wells containing LNAPL:	None
LNAPL Thickness:	N/A
Total BTEX:	Non-detect to 6,840 ppb
MTBE:	Non detect to 1,060 ppb
Ethanol:	Not analyzed for this quarter
Ground Water Depth:	11.11 feet to 16.40 feet below grade
Ground Water Flow:	Southeasterly
System Air Effluent:	No sample – Will sample system next quarter
System Water Effluent:	No sample - Will sample system next quarter

Remedial Activities: October 23, 2008: Conducted EVR on monitoring well, MW-16 as per NYSDEC request, and removed 270 gallons of water/gasoline mixture. A copy of the waste manifest document is included within this report.
Dual Phase High Vacuum Extration System – Monthly System Checks, Quarterly Sampling of Air Discharge and Water Influent and Effluent. Currently system is off due to electrical difficulties.

Notes: Liquid phase and soil vapor extraction systems not operational as of December 2005 due to electrical issues with Consolidated Edison. Sanborn maps have been attached to this report for the NYSDEC to review.

TYREE ENVIRONMENTAL CORP
208 ROUTE 109
FARMINGDALE, NEW YORK 11735
(631) 249-3150





LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Data Collected on 10/31/08

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	87.92	6.6	2.9
MW-2	88.05	2,389	16.3
MW-3	87.55	<MDL	1.9
MW-5	87.80	<MDL	1.6
MW-6	87.18	41.3	11.1
MW-7	87.42	320	16.9
MW-8	87.28	35.9	34.1
MW-9	84.80	6,840	1,060
MW-10	85.27	0.79	<MDL
MW-11	87.07	<MDL	<MDL
MW-12	87.26	208	25.7
MW-13	87.67	12.3	<MDL
MW-14	89.08	<MDL	<MDL
MW-15	88.75	<MDL	<MDL
MW-16	89.34	<MDL	<MDL

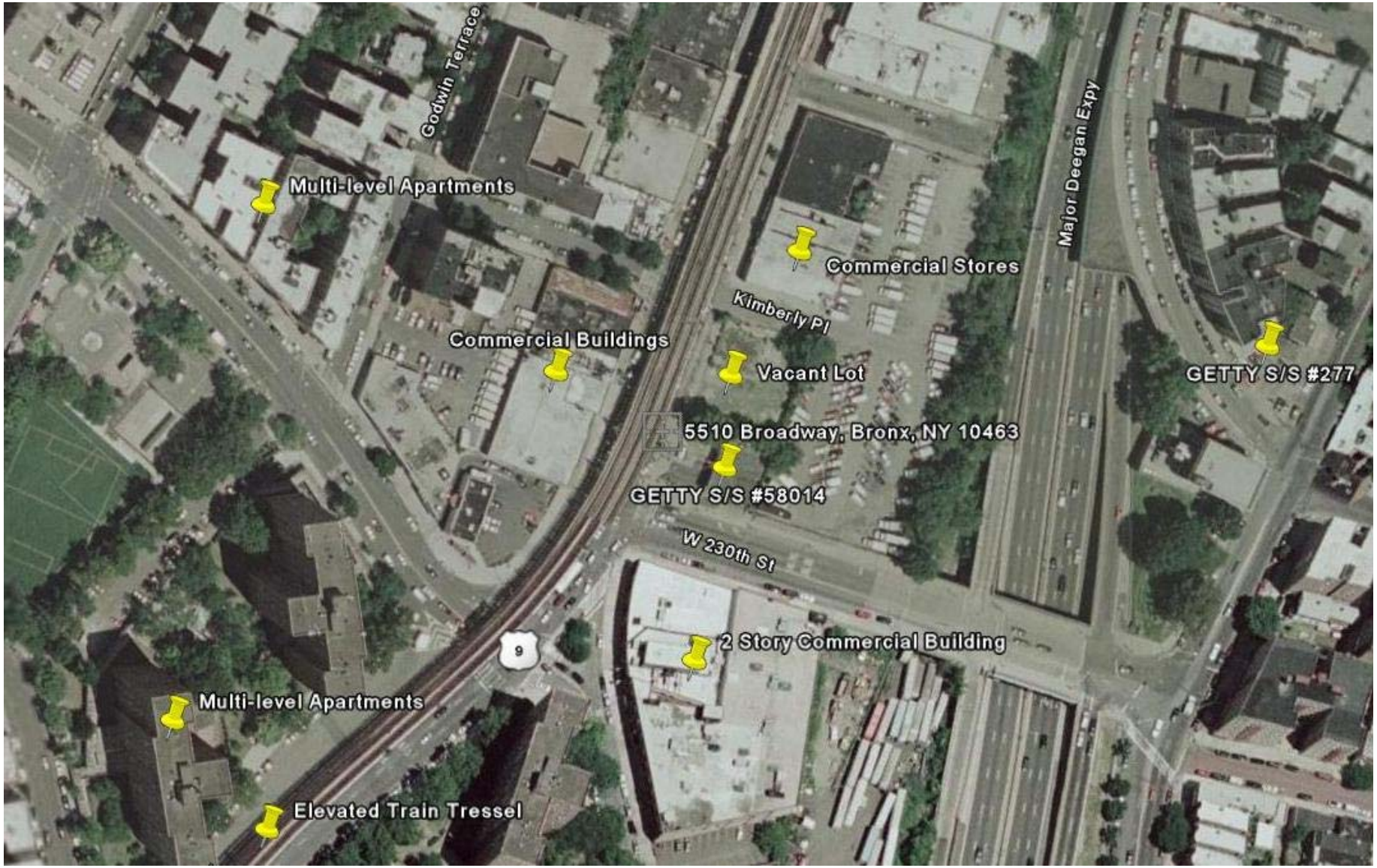
<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE QUARTERLY MONITORING REPORT
SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP DATE: 10/03

SCALE As Shown
PLATE QMR


Godwin Terrace
Multi-level Apartments
Commercial Stores
Major Deegan Expy
Kimberly Pl
Commercial Buildings
Vacant Lot
GETTY S/S #277
5510 Broadway, Bronx, NY 10463
GETTY S/S #58014
W 230th St
2 Story Commercial Building
9
Multi-level Apartments
Elevated Train Tressel

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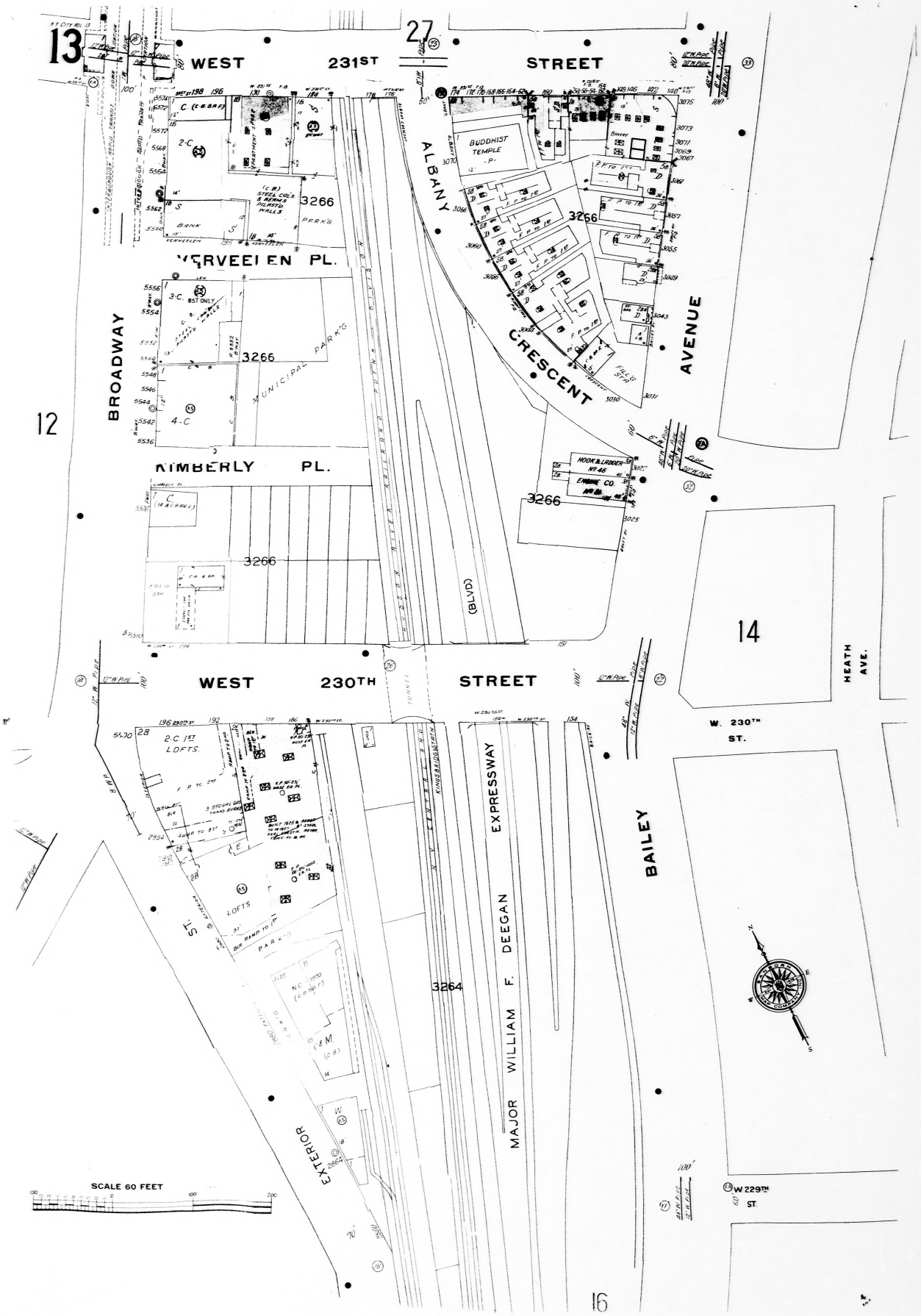

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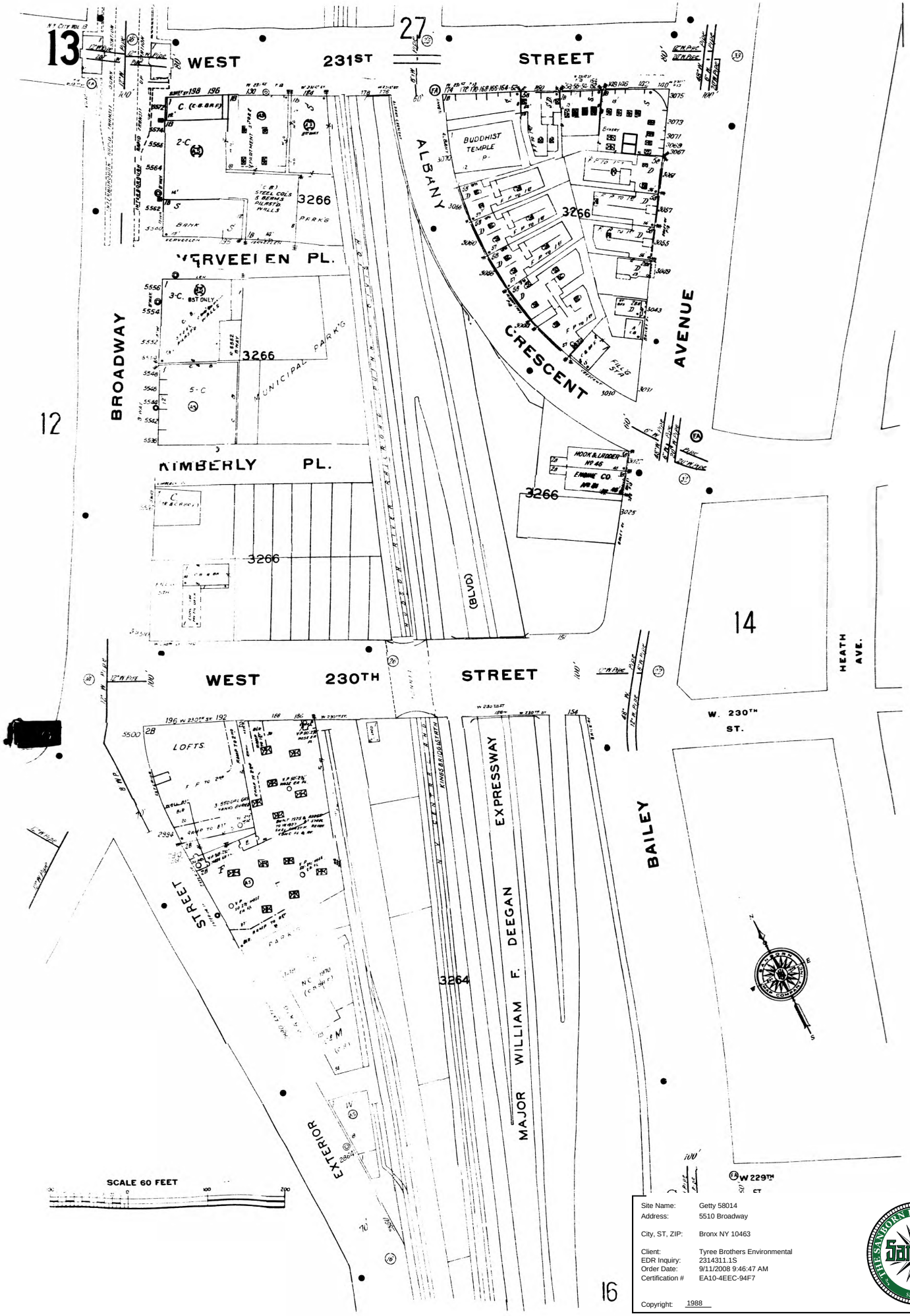

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Bronx, NY 10463

Inquiry Number: 2314311.1S
September 11, 2008

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Certified Sanborn® Map Report

9/11/08

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EDR Inquiry # 2314311.1S

Client Name:
Tyree Brothers Environmental
208 Rt 109
Farmingdale, NY 11735

Contact: Dennis Madigan

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Tyree Brothers Environmental were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

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Cross Street:
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Sanborn® Library search results
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Maps Identified - Number of maps indicated within "( )"

1996 (1)	1984 (1)	1896 (1)
1995 (1)	1981 (1)	
1993 (1)	1978 (1)	
1992 (1)	1950 (1)	
1991 (1)	1914 (1)	
1988 (1)	1900 (1)	

Total Maps: 13

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

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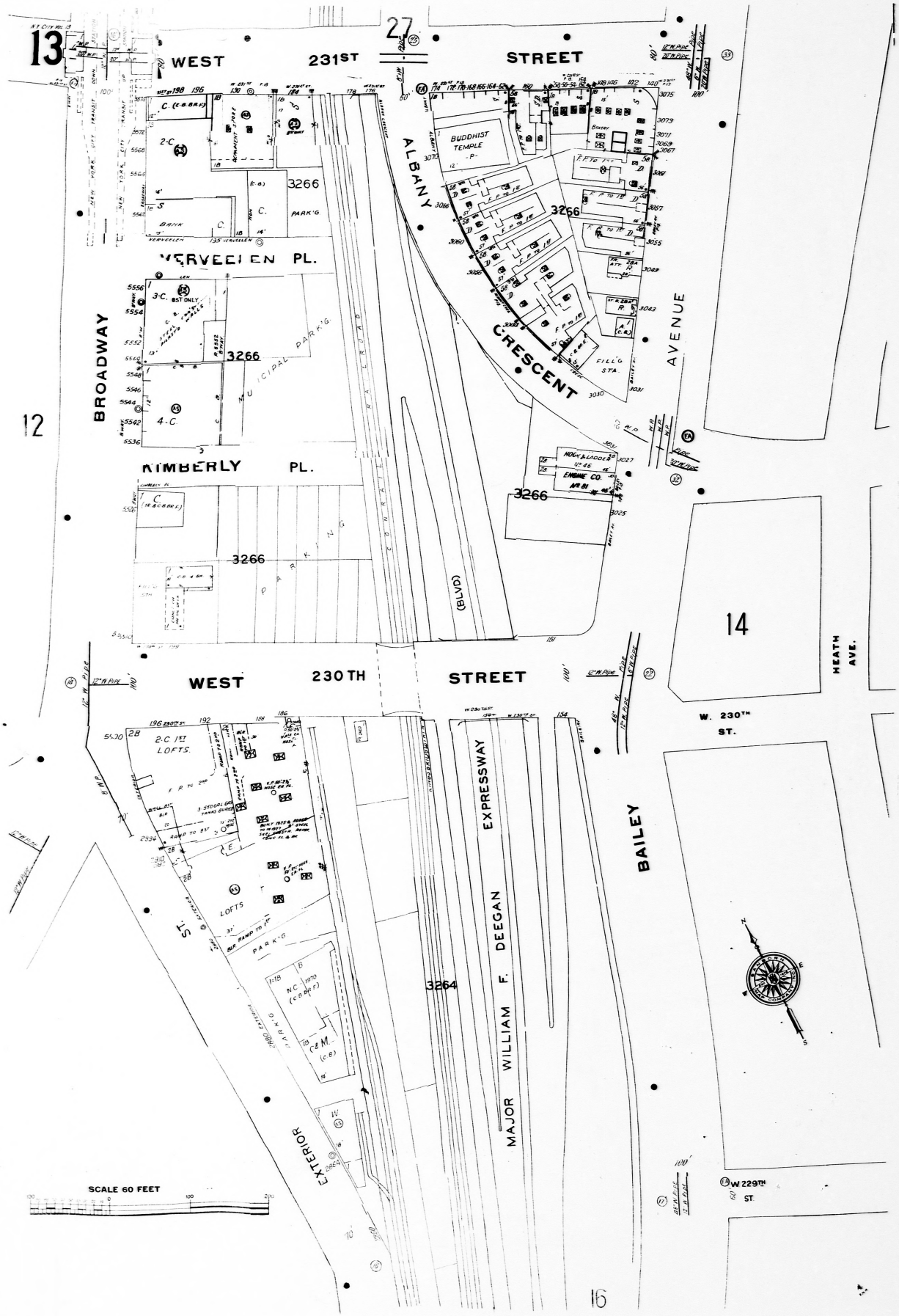

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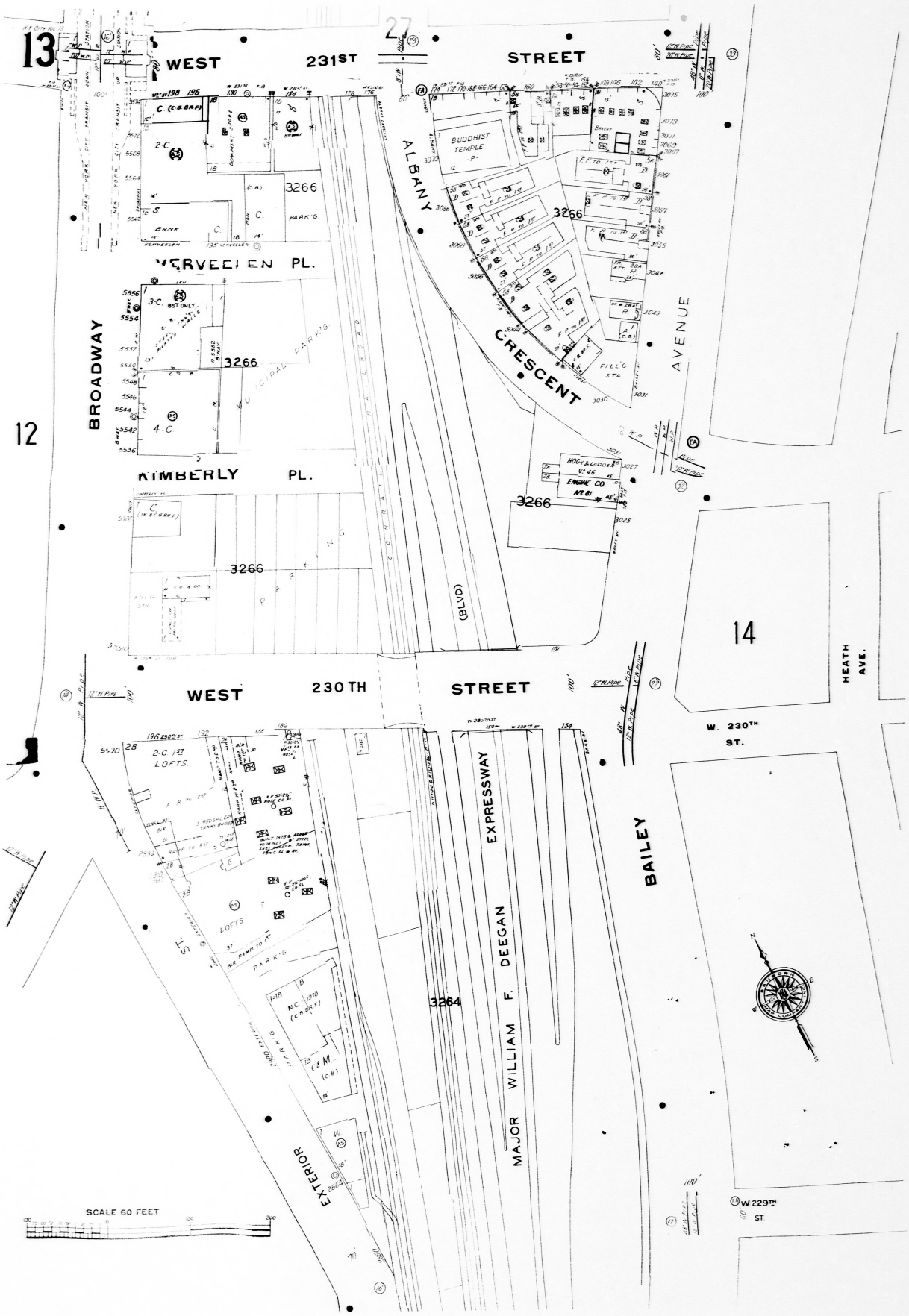
Copyright:	1996



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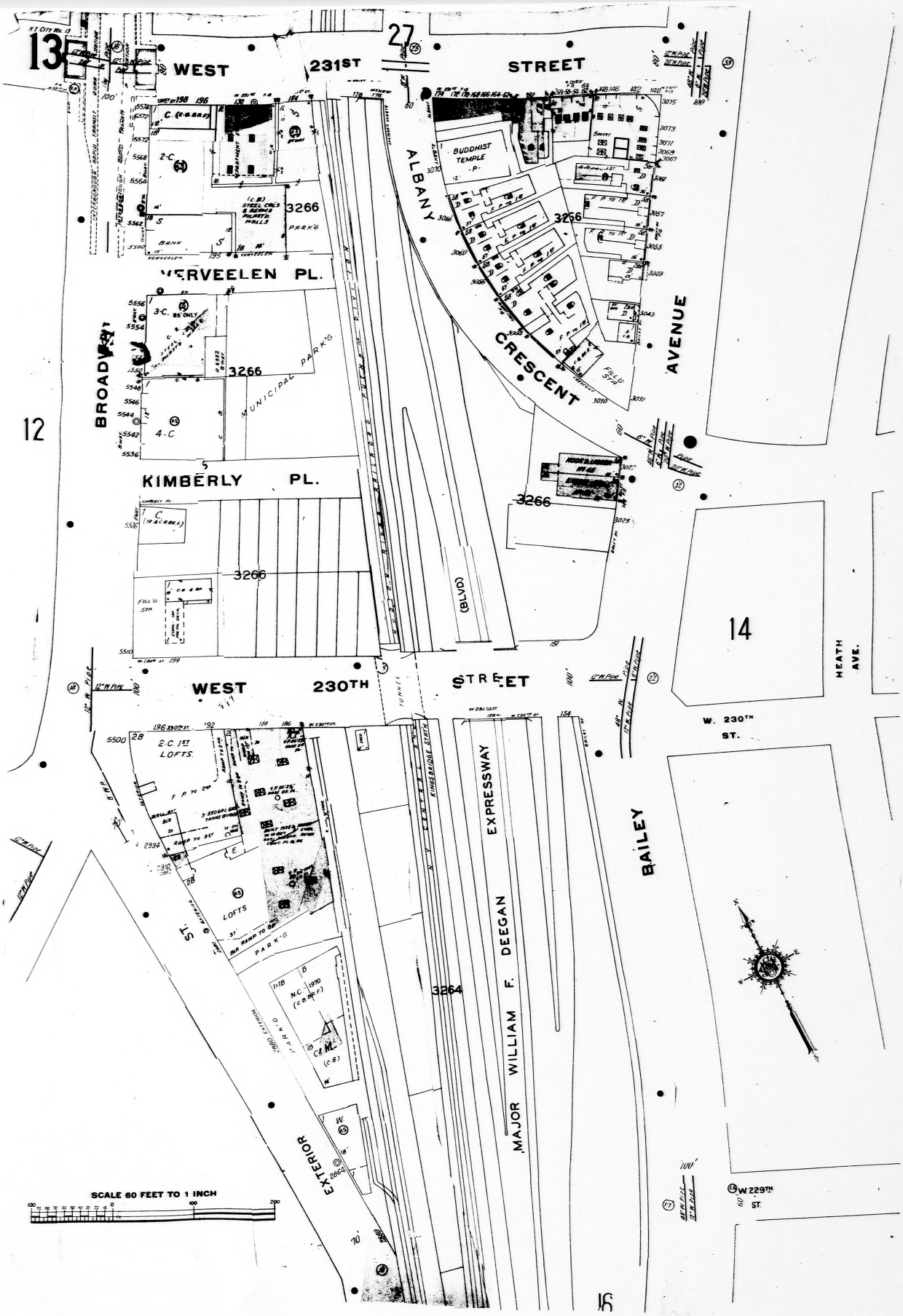
Copyright:	1995



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Copyright:	1992

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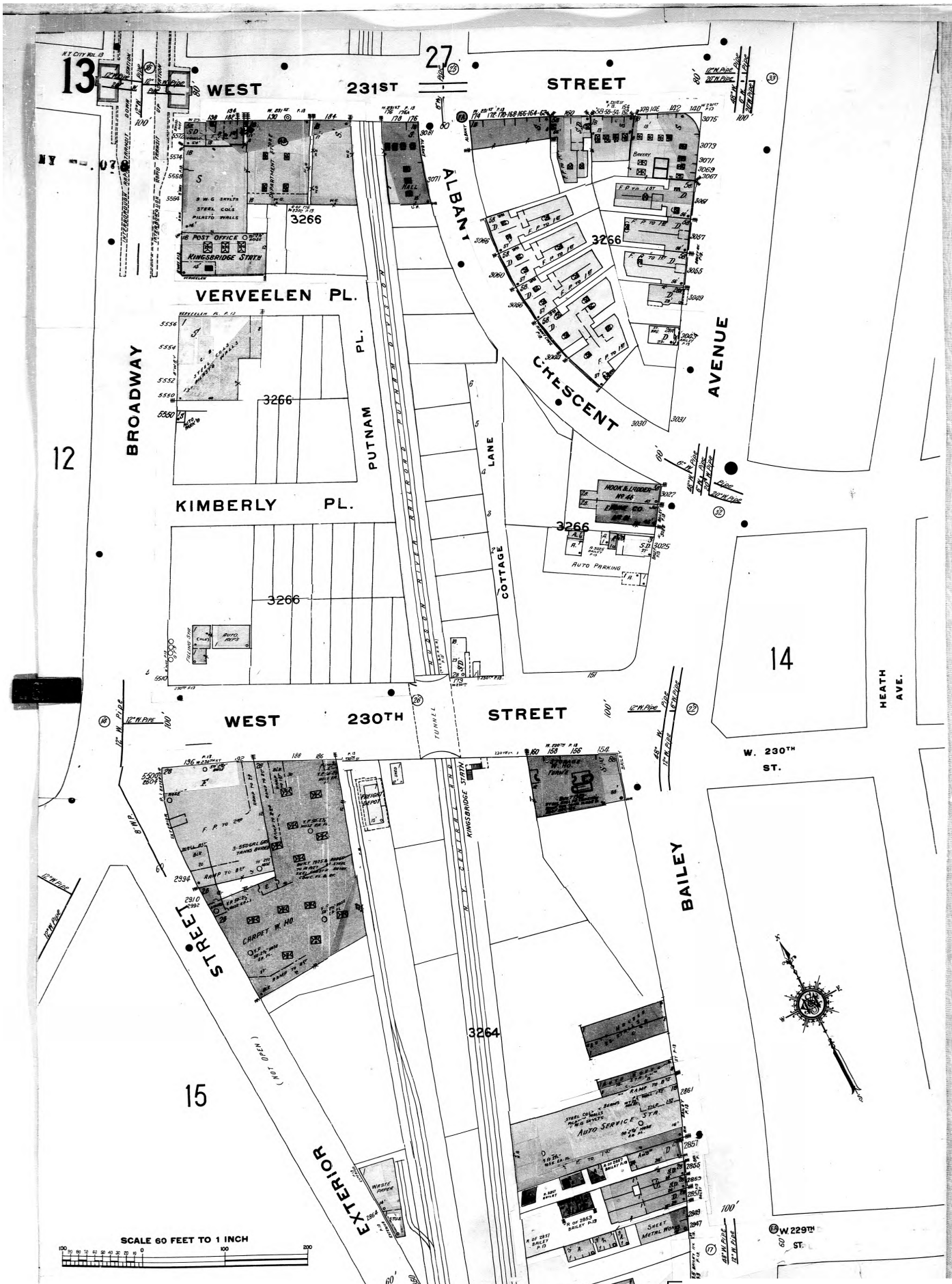

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Copyright:	1950

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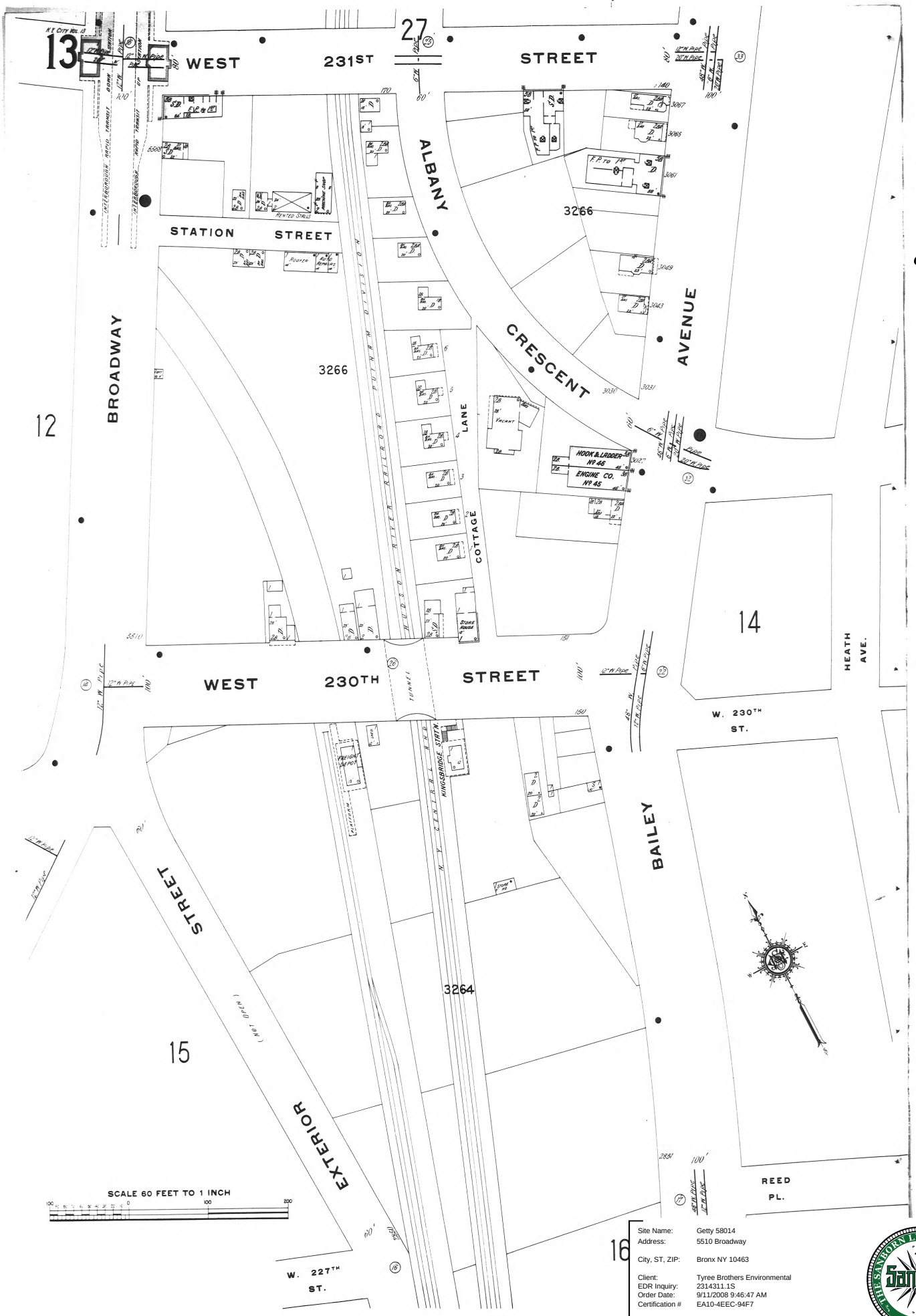

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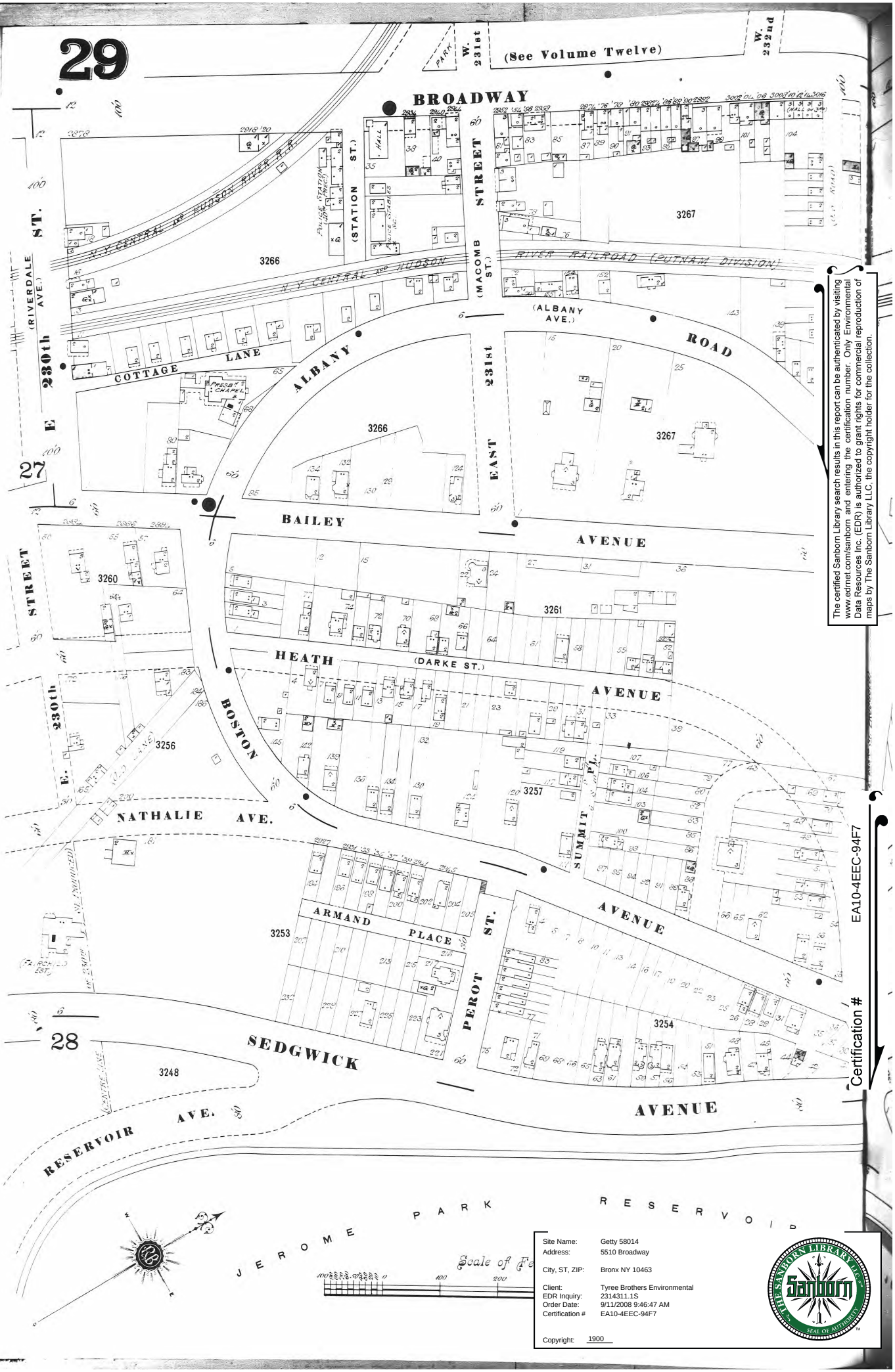

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Copyright:	1900

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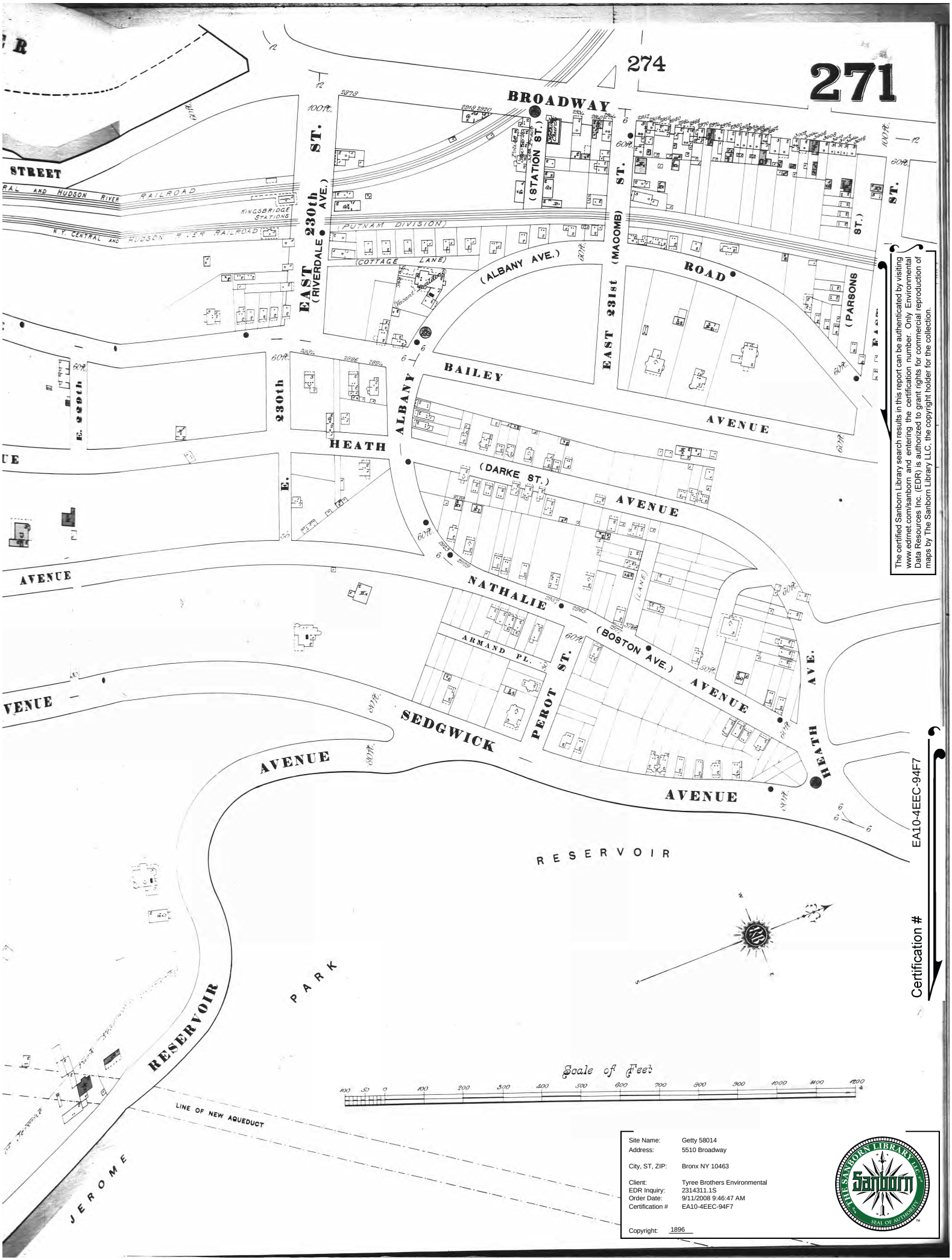

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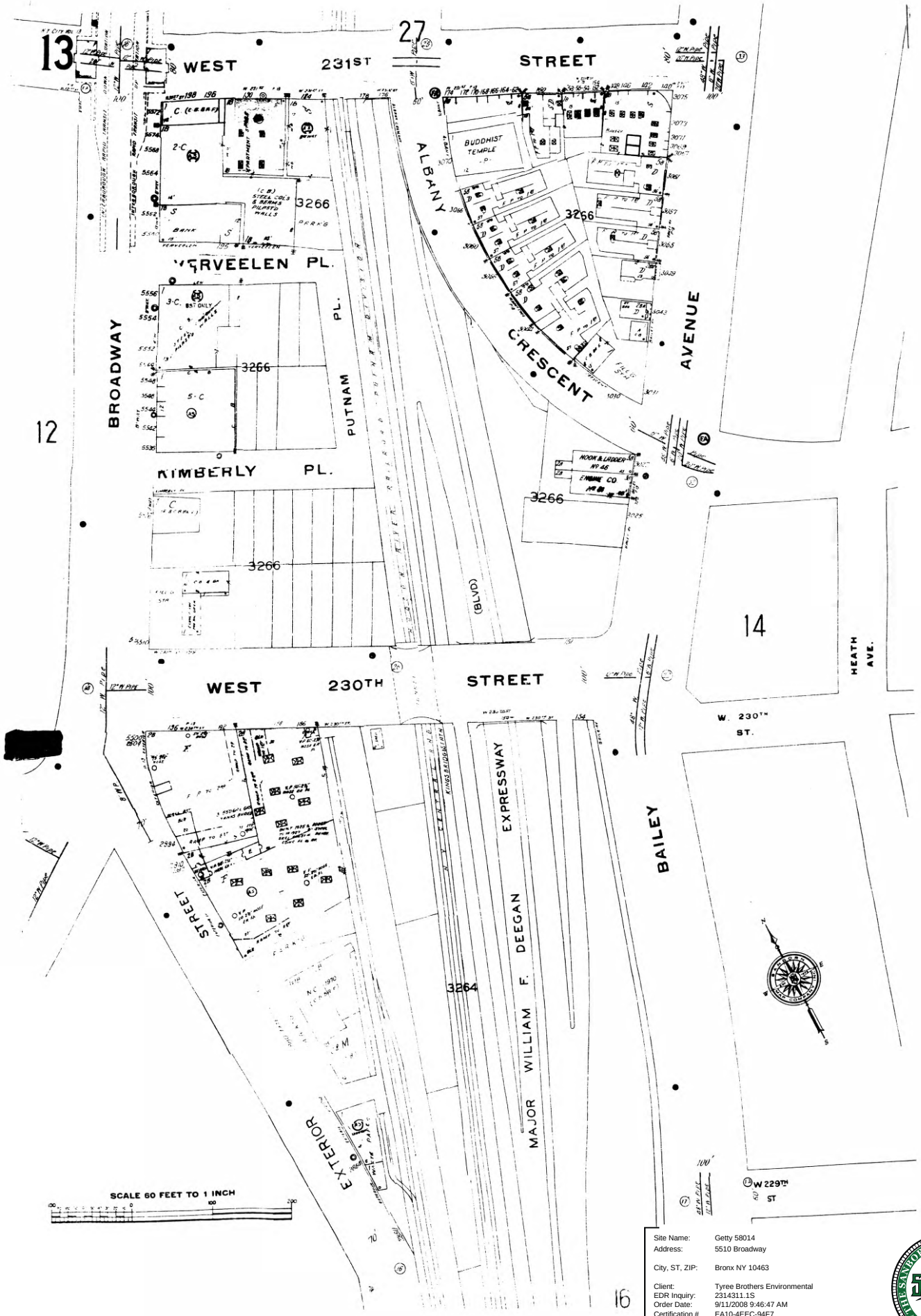
Copyright: 1896



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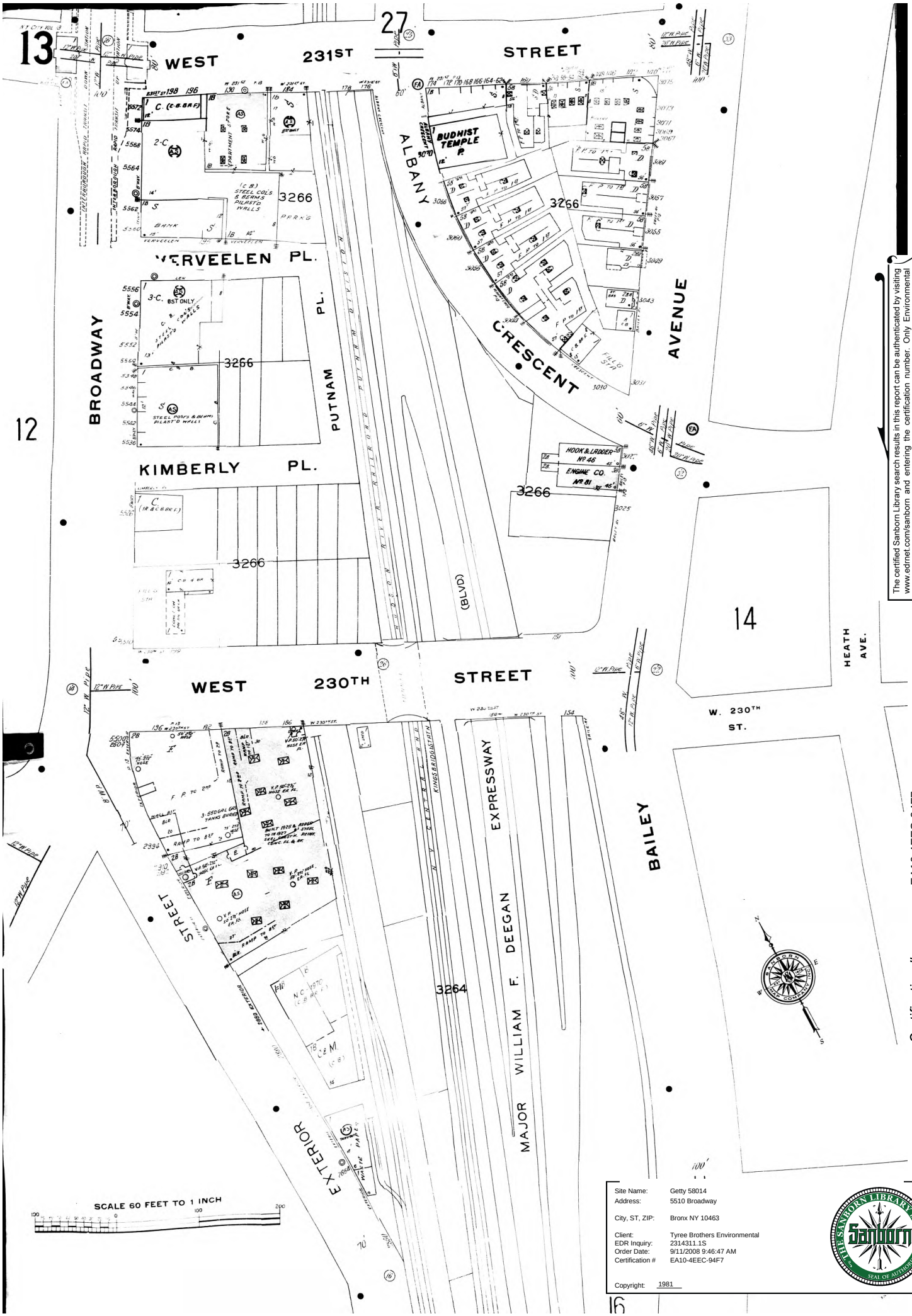
Copyright: 1984



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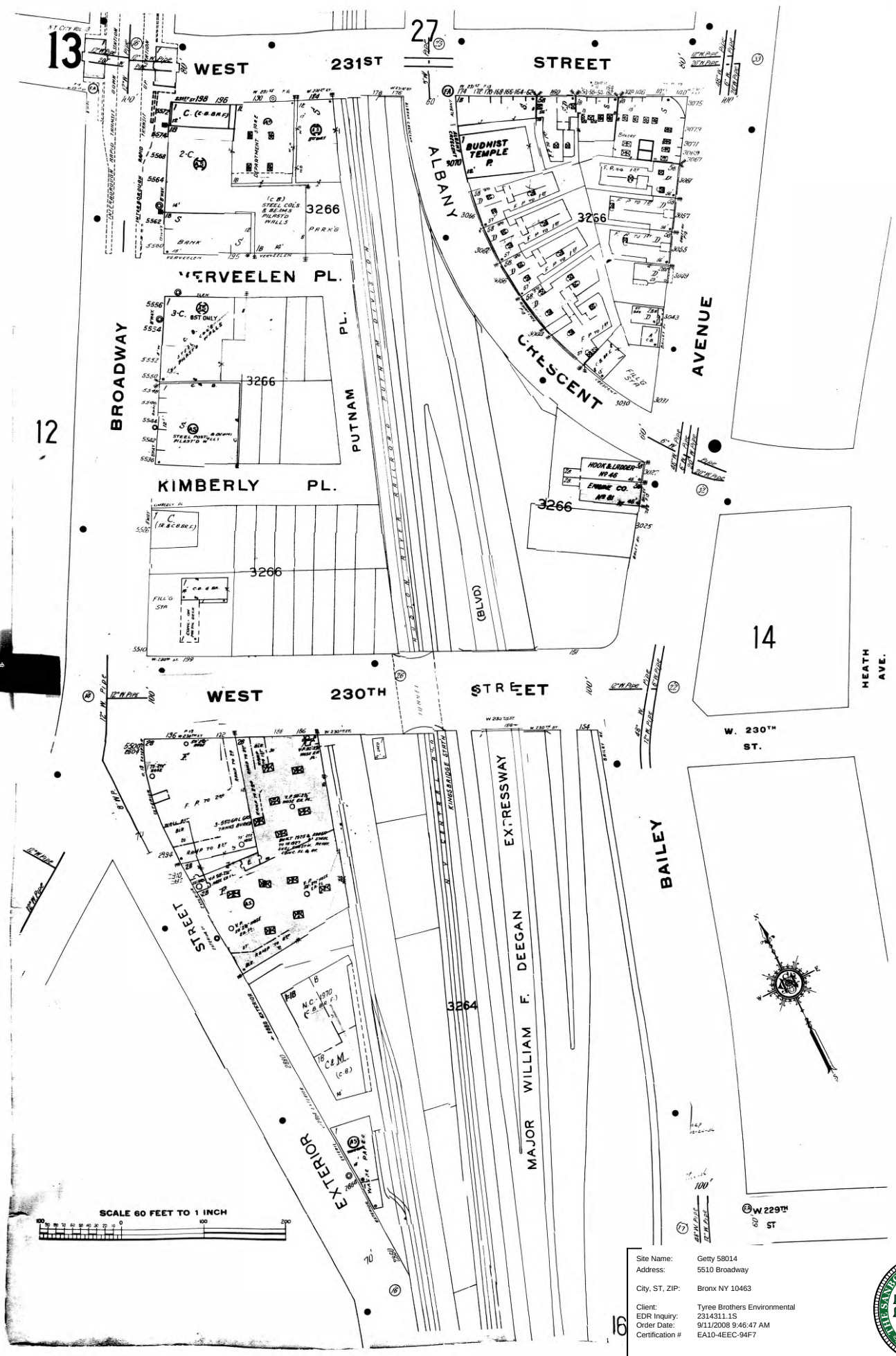
Copyright: 1981

16



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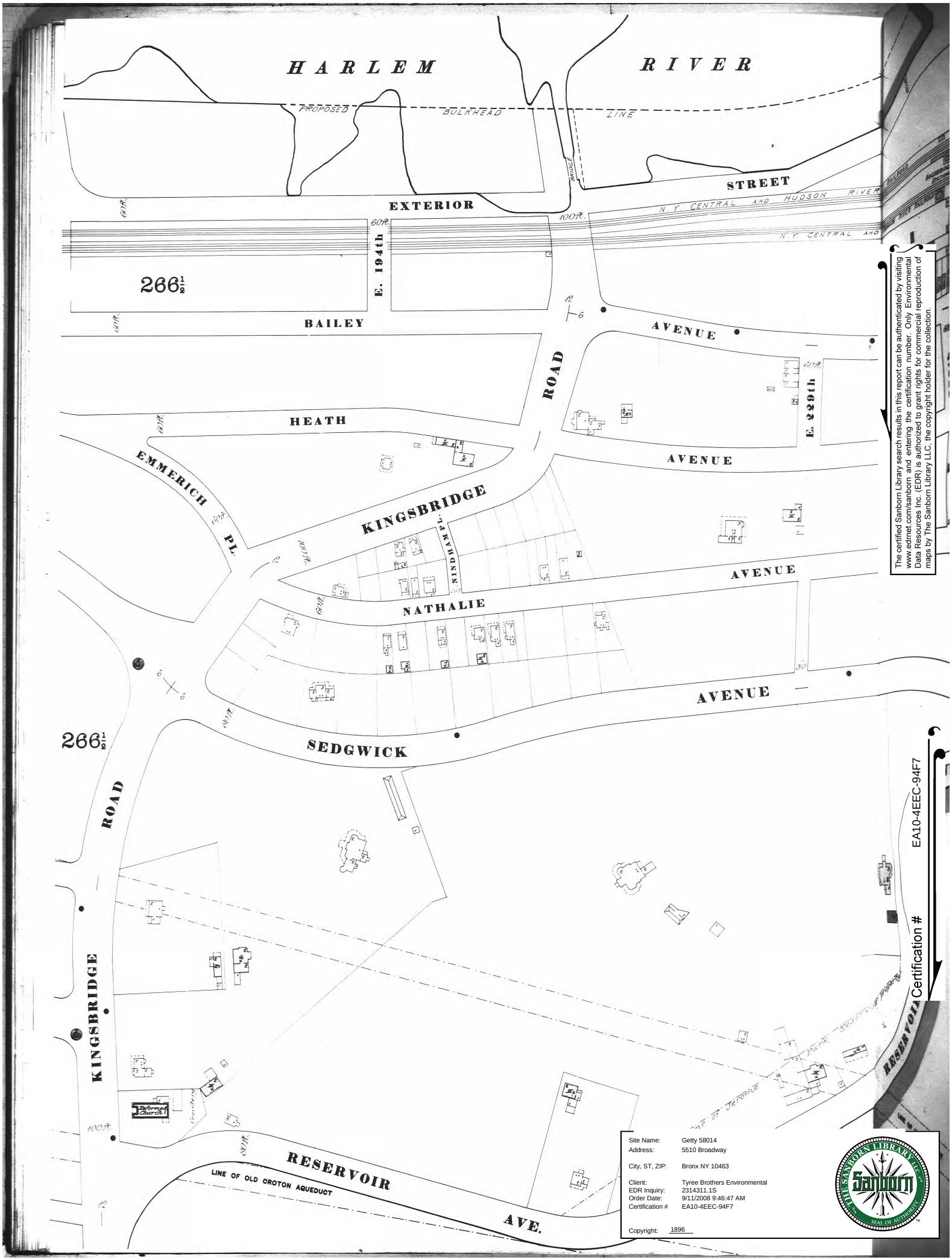

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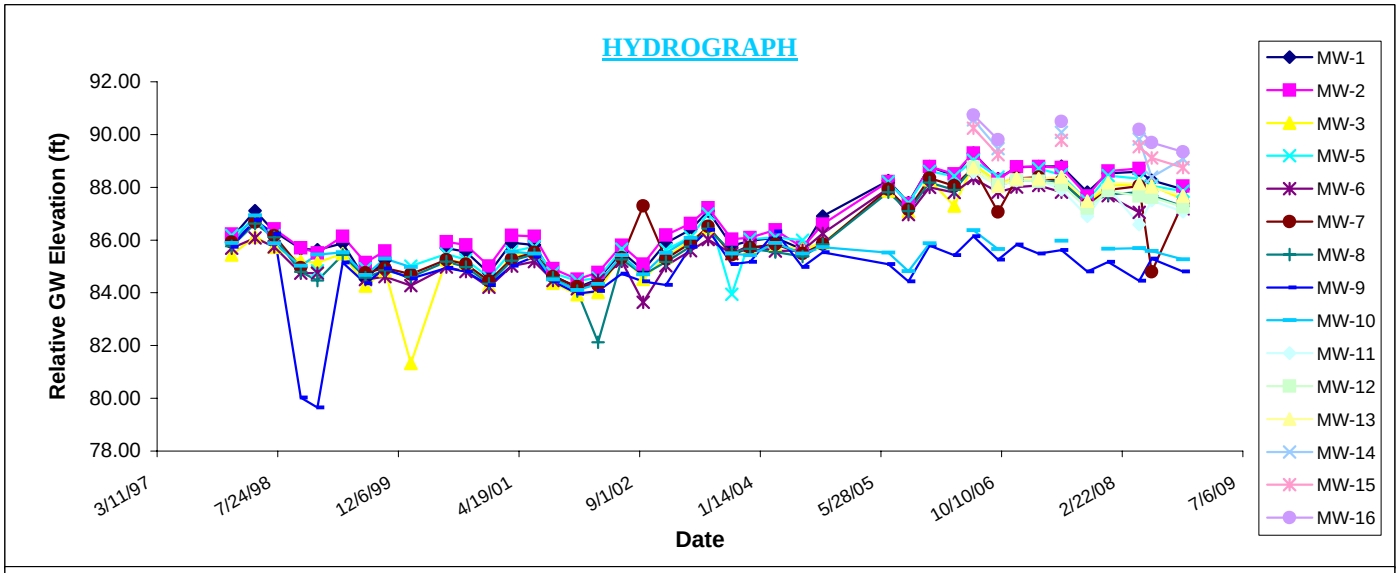
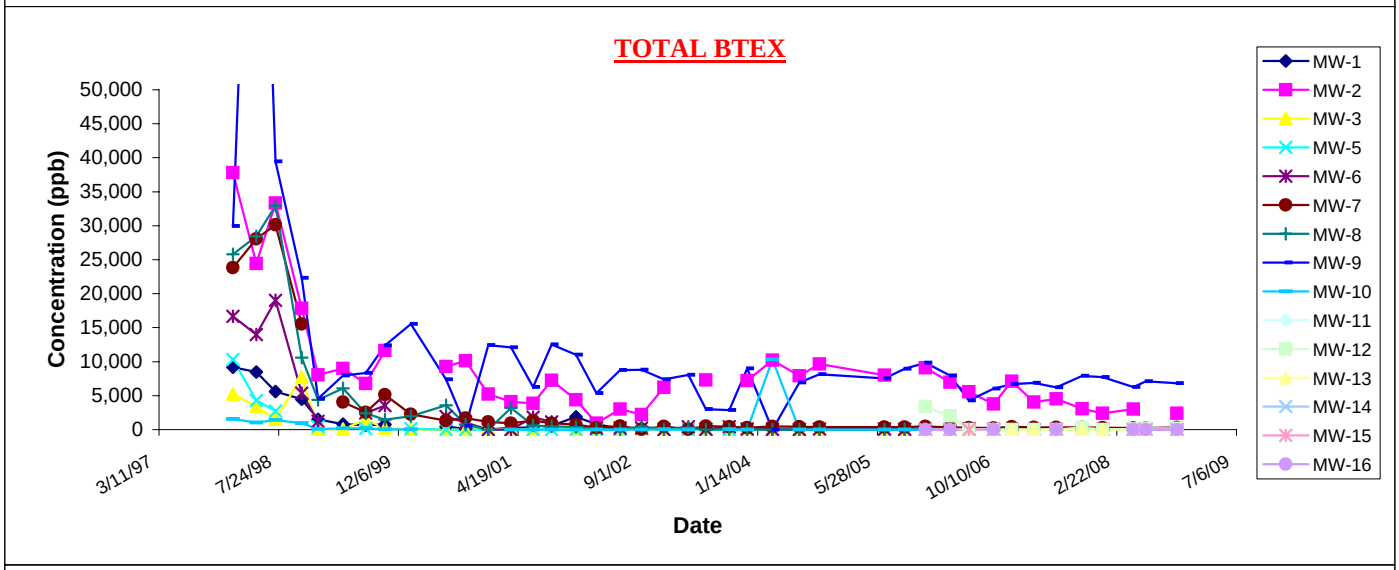
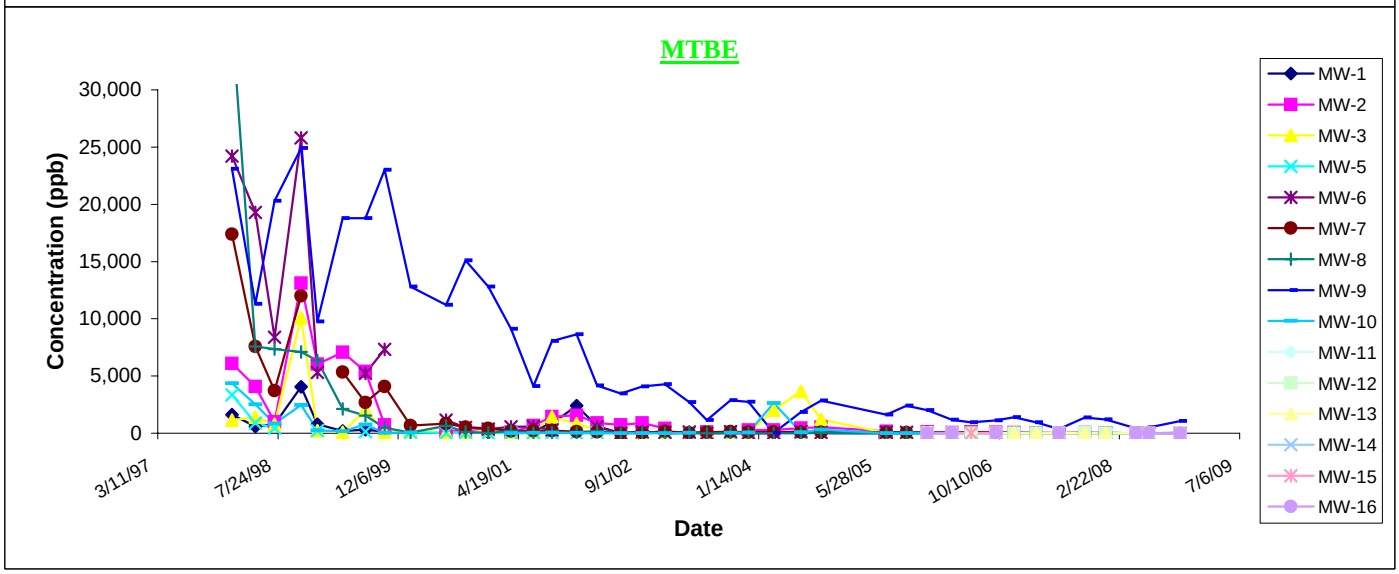
GETTY #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Quarterly Monitoring Report







GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-1	3/31/03	**25**	<MDL	<MDL	<MDL	25	**31**	
	6/12/03	**19**	1	5	**8**	34	5	
	9/18/03	**25**	<MDL	<MDL	1	26	10	
	12/2/03	**51**	5	**9**	**23**	88	8	
	3/16/04	**11**	<MDL	<MDL	<MDL	11	8	
	7/7/04	**24**	<MDL	<MDL	1	24	**171**	
	9/29/04	**56**	<MDL	<MDL	1	57	4	
	6/27/05	**8**	<MDL	<MDL	<MDL	8	4	
	9/19/05	**4**	<MDL	<MDL	1	5	5	
	12/15/05	**6**	<MDL	<MDL	<MDL	6	4	
	3/28/06	**1**	<MDL	<MDL	<MDL	<MDL	6	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	9/26/06	**12**	1	<MDL	2	14	5	
	12/11/06	**1**	<MDL	<MDL	<MDL	1	3	
	3/13/07	**1**	<MDL	<MDL	2	3	1	
	6/15/07	**1**	<MDL	<MDL	<MDL	1	<MDL	
	10/1/07	**6**	2	0	4	12	3	
	12/26/07	**32**	<MDL	<MDL	5	36	3	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	10/31/08	**4**	<MDL	<MDL	3	6.6	3	
MW-2	3/31/03	NSP	NSP	NSP	NSP	NSP	NSP	
	6/12/03	**711**	**713**	**1,740**	**4,141**	7,305	**100**	
	9/18/03	NSP	NSP	NSP	NSP	NSP	NSP	
	12/2/03	**1,350**	**728**	**1,450**	**3,652**	7,180	**279**	
	3/16/04	**1,410**	**743**	**2,100**	**5,944**	10,197	**286**	
	7/7/04	**955**	**478**	**1,960**	**4,502**	7,895	**453**	
	9/29/04	**1,260**	**1,080**	**2,160**	**5,139**	9,639	**529**	
	6/27/05	**1,060**	**644**	**1,980**	**4,317**	8,001	**163**	
	9/19/05	NSP	NSP	NSP	NSP	NSP	NSP	
	12/15/05	**1,360**	**833**	**1,820**	**5,066**	9,079	**123**	
	3/28/06	**701**	**316**	**1,760**	**4,211**	6,988	**67**	
	6/15/06	**714**	**124**	**1,770**	**2,942**	5,550	**103**	
	9/26/06	**586**	**217**	**967**	**1,976**	3,746	**85**	
	12./11/06	**911**	**541**	**1,790**	**3,872**	7,114	**59**	
	3/13/07	**497**	**144**	**1,190**	**2,230**	4,061	**28**	
	6/15/07	**383**	**151**	**1,680**	**2,320**	4,534	<MDL	
	10/1/07	**448**	**168**	**1,250**	**1,800**	3,050	**50**	
	12/26/07	**306**	**143**	**728**	**1,240**	2,417	9	
	5/2/28	**453**	**89**	**1,310**	**1,150**	3,002	**12**	<MDL
	6/23/08	NA	NA	NA	NA	NA	NA	
	10/31/08	**340**	**85**	**874**	**1,090**	2,389	**16**	
MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**18**	
	6/12/03	**1**	<MDL	<MDL	<MDL	1	**128**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**44**	
	12/2/03	<MDL	<MDL	<MDL	<MDL	<MDL	**33**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**2,010**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	**3,650**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**1,190**	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	**24**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	**57**	
	12/15/05	1	<MDL	<MDL	<MDL	1	**12**	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	7	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	12/11/06	**1**	<MDL	<MDL	<MDL	1	6	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	12/26/07	**1**	<MDL	<MDL	<MDL	1	2	
	5/2/28	**9**	<MDL	<MDL	<MDL	9	3	
	6/23/08	**4**	<MDL	<MDL	<MDL	4	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	2	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
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DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**11**	
	6/12/03	**1**	<MDL	<MDL	<MDL	1	**12**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**29**	
	12/2/03	**1**	<MDL	<MDL	<MDL	1	**19**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**15**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	9	
	9/29/04	NA	NA	NA	NA	NA	NA	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	12/15/05	1	<MDL	<MDL	<MDL	1	4	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	12/11/06	DRY	DRY	DRY	DRY	DRY	DRY	
	3/13/07	<MDL	<MDL	<MDL	2	2	2	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	0	<MDL	<MDL	<MDL	0	1	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	1	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	2	
MW-6	3/31/03	**365**	2	**17**	**17**	401	**111**	
	6/12/03	**28**	<MDL	**6**	3	37	6	
	9/18/03	**397**	<MDL	**20**	**18**	435	**128**	
	12/2/03	**91**	<MDL	**10**	**8**	109	**27**	
	3/16/04	**29**	<MDL	3	3	35	**41**	
	7/7/04	**13**	<MDL	<MDL	<MDL	13	**137**	
	9/29/04	**59**	1	**8**	**6**	74	**43**	
	6/27/05	**65**	1	2	3	71	**87**	
	9/19/05	**58**	<MDL	3	4	65	**90**	
	12/15/05	**54**	1	2	2	58	**44**	
	3/28/06	**37**	<MDL	<MDL	<MDL	<MDL	**34**	
	6/15/06	**118**	2	**6**	**17**	143	**92**	
	9/26/06	**51**	1	3	**12**	67	**36**	
	12/11/06	**43**	<MDL	<MDL	<MDL	43	**20**	
	3/13/07	**20**	<MDL	<MDL	2	22	**12**	
	6/15/07	**29**	<MDL	<MDL	<MDL	29	**13**	
	10/1/07	DRY	DRY	DRY	DRY	DRY	DRY	
	12/26/07	**49**	**2**	<MDL	<MDL	51	**15**	
	5/2/28	**40**	<MDL	<MDL	<MDL	40	**10**	
	6/23/08	**30**	<MDL	1	**5**	36	**10**	
	10/31/08	**37**	1	<MDL	3	41	**11**	
MW-7	3/31/03	**45**	<MDL	4	**6**	55	**28**	
	6/12/03	**289**	**7**	**17**	**189**	501	**92**	
	9/18/03	**394**	4	**6**	**17**	421	**143**	
	12/2/03	**244**	4	**14**	**17**	278	**77**	
	3/16/04	**420**	4	**30**	**9**	463	**107**	
	7/7/04	**363**	4	**31**	**17**	415	**73**	
	9/29/04	**353**	**5**	**20**	**11**	390	**74**	
	6/27/05	**364**	4	**10**	3	380	**44**	
	9/19/05	**345**	**6**	**12**	**22**	386	**47**	
	12/15/05	**440**	**7**	4	**7**	458	**47**	
	3/28/06	**338**	3	<MDL	<MDL	341	**36**	
	6/15/06	**275**	5	**5**	**14**	299	**25**	
	9/26/06	**194**	3	2	**21**	220	**18**	
	12/11/06	**396**	**5**	4	**5**	411	**20**	
	3/13/07	**329**	**5**	3	**4**	341	**18**	
	6/15/07	**330**	**4**	**9**	**2**	345	**20**	
	10/1/07	**335**	**7**	4	**5**	350	**17**	
	12/26/07	**290**	**4**	2	**3**	299	**18**	
	5/2/28	**218**	**3**	**6**	**4**	230	**13**	
	6/23/08	**217**	**3**	1	**3**	223	**11**	
	10/31/08	**278**	**8**	**8**	**26**	320	**17**	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-8	3/31/03	**131**	4	**54**	**80**	268	**35**	
	6/12/03	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/18/03	**92**	4	**22**	**33**	151	**42**	
	12/2/03	**28**	1	**6**	**9**	44	**10**	
	3/16/04	**3**	<MDL	1	<MDL	3	5	
	7/7/04	**3**	<MDL	<MDL	<MDL	3	4	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**20**	
	6/27/05	**13**	<MDL	0	3	16	5	
	9/19/05	**32**	1	2	1	36	**15**	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	3/28/06	**1**	<MDL	<MDL	<MDL	1	3	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	1	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	5	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	4	
	5/2/28	**2**	<MDL	<MDL	<MDL	**2**	2	<MDL
	6/23/08	**21**	<MDL	<MDL	<MDL	**21**	5	
	10/31/08	**34**	<MDL	<MDL	**2**	36	**34**	
MW-9	3/31/03	**7,770**	<MDL	**291**	<MDL	8,061	**2,700**	
	6/12/03	**2,680**	**19**	**107**	**227**	3,033	**1,160**	
	9/18/03	**9,660**	**41**	**163**	**229**	10,093	**2,870**	
	12/2/03	**8,790**	<MDL	**114**	**89**	8,993	**2,750**	
	3/16/04	**2**	<MDL	<MDL	<MDL	2	**34**	
	7/7/04	**6,730**	**30**	**99**	**44**	6,902	**1,850**	
	9/29/04	**7,930**	**32**	**148**	**52**	8,162	**2,860**	
	6/27/05	**7,300**	**37**	**118**	**65**	7,520	**1,610**	
	9/19/05	**8,720**	**46**	**78**	**96**	8,940	**2,400**	
	12/15/05	**9,630**	**51**	**110**	**62**	9,853	**2,010**	
	3/28/06	**7,740**	<MDL	**114**	**107**	7,961	**1,170**	
	6/15/06	**4,190**	**24**	**68**	<MDL	4,282	**949**	
	9/26/06	**5,840**	**28**	**64**	**75**	6,007	**1,130**	
	12/11/06	**6,430**	<MDL	**133**	**109**	6,672	**1,410**	
	3/13/07	**6,770**	**38**	**52**	**26**	6,886	**938**	
	6/15/07	**6,090**	**32**	**49**	**47**	6,218	**1,350**	
	10/1/07	**7,720**	**43**	**47**	**93**	7,903	**1,380**	
	12/26/07	**7,520**	**45**	**52**	**81**	7,698	**1,210**	
	5/2/28	**6,070**	**49**	**59**	**86**	6,264	**415**	<MDL
	6/23/08	**6,960**	**39**	**45**	**56**	7,100	**497**	
	10/31/08	**6,690**	**34**	**49**	**67**	6,840	**1,060**	
MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**23**	
	6/12/03	**NS**	**NS**	**NS**	**NS**	NS	**NS**	
	9/18/03	**3**	<MDL	<MDL	<MDL	3	**39**	
	12/2/03	**8**	<MDL	<MDL	<MDL	8	**51**	
	3/16/04	**10,200**	**62**	**178**	**162**	10,602	**2,620**	
	7/7/04	**3**	<MDL	<MDL	<MDL	3	**81**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**320**	
	6/27/05	1	<MDL	<MDL	<MDL	1	**11**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	3/28/06	NA	NA	NA	NA	NA	NA	
	6/15/06	**4**	<MDL	<MDL	<MDL	4	7	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	1	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	**2**	<MDL	<MDL	<MDL	2	1	
	5/2/28	**2**	<MDL	<MDL	<MDL	2	<MDL	
	6/23/08	1	<MDL	<MDL	<MDL	1	<MDL	
	10/31/08	**1**	<MDL	<MDL	<MDL	1	<MDL	
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	0	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-12	12/15/05	**118**	**59**	**502**	**2,734**	3,407	**18**	
	3/28/06	**97**	<MDL	**5**	**1,910**	2,012	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	**3**	<MDL	**6**	**13**	21	1	
	3/13/07	1	<MDL	<MDL	<MDL	1	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	**109**	**7**	**163**	**70**	348	**21**	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	**21**	**4**	**51**	**35**	111	**5**	
	6/23/08	**45**	**3**	**99**	**25**	172	**6**	
	10/31/08	**100**	**3**	**101**	**5**	208	**26**	
MW-13	12/15/05	**6**	0	<MDL	1	8	1	
	3/28/06	**7**	<MDL	<MDL	2	9	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	9/26/06	**4**	<MDL	<MDL	<MDL	4	2	
	12/11/06	**4**	<MDL	<MDL	<MDL	4	2	
	3/13/07	**7**	<MDL	<MDL	2	9	3	
	6/15/07	**2**	<MDL	<MDL	<MDL	2	<MDL	
	10/1/07	**5**	1	1	3	10	1	
	12/26/07	**11**	<MDL	<MDL	3	14	1	
	5/2/28	**3**	<MDL	<MDL	<MDL	3	<MDL	
	6/23/08	**7**	<MDL	<MDL	<MDL	7	<MDL	
	10/31/08	**12**	<MDL	<MDL	<MDL	**12**	<MDL	
MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	3	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	6	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	**1**	
	10/31/08							
NYSDEC Groundwater Standard		0.7	5	5	5	--	10	No Standard Available

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-1	3/31/03	99.94	NP	11.02	0.00	11.02	88.92
	6/12/03		NP	10.32	0.00	10.32	89.62
	9/18/03		NP	11.63	0.00	11.63	88.31
	12/2/03		NP	11.45	0.00	11.45	88.49
	3/16/04		NP	11.33	0.00	11.33	88.61
	7/7/04		NP	11.78	0.00	11.78	88.16
	9/29/04		NP	10.52	0.00	10.52	89.42
	6/27/05		NP	11.69	0.00	11.69	88.25
	9/19/05		NP	12.52	0.00	12.52	87.42
	12/15/05		NP	11.16	0.00	11.16	88.78
	3/28/06		NP	11.49	0.00	11.49	88.45
	6/15/06		NP	10.64	0.00	10.64	89.30
	9/26/06		NP	11.61	0.00	11.61	88.33
	12/11/06		NP	11.18	0.00	11.18	88.76
	3/13/07		NP	11.16	0.00	11.16	88.78
	6/15/07		NP	11.14	0.00	11.14	88.80
	10/1/07		NP	12.22	0.00	12.22	87.72
	12/26/07		NP	11.41	0.00	11.41	88.53
	5/2/08		NP	11.35	0.00	11.35	88.59
	6/23/08		NP	11.68	0.00	11.68	88.26
	10/31/08		NP	12.02	0.00	12.02	87.92
MW-2	3/31/03	100.23	11.36	11.38	0.02	11.37	88.86
	6/12/03		NP	10.78	0.00	10.78	89.45
	9/18/03		11.97	11.98	0.01	11.97	88.26
	12/2/03		NP	11.91	0.00	11.91	88.32
	3/16/04		NP	11.62	0.00	11.62	88.61
	7/7/04		NP	12.28	0.00	12.28	87.95
	9/29/04		NP	11.40	0.00	11.40	88.83
	6/27/05		NP	12.02	0.00	12.02	88.21
	9/19/05		12.85	12.86	0.01	12.85	87.38
	12/15/05		NP	11.45	0.00	11.45	88.78
	3/28/06		NP	11.72	0.00	11.72	88.51
	6/15/06		NP	10.93	0.00	10.93	89.30
	9/26/06		NP	11.94	0.00	11.94	88.29
	12/11/06		NP	11.46	0.00	11.46	88.77
	3/13/07		NP	11.44	0.00	11.44	88.79
	6/15/07		NP	11.48	0.00	11.48	88.75
	10/1/07		NP	12.56	0.00	12.56	87.67
	12/26/07		NP	11.62	0.00	11.62	88.61
	5/2/08		NP	11.52	0.00	11.52	88.71
	6/23/08		NA	NA	NA	NA	NA
	10/31/08		NP	12.18	0.00	12.18	88.05
MW-3	3/31/03	99.68	NP	11.25	0.00	11.25	88.43
	6/12/03		NP	10.79	0.00	10.79	88.89
	9/18/03		NP	11.74	0.00	11.74	87.94
	12/2/03		NP	11.50	0.00	11.50	88.18
	3/16/04		NP	11.45	0.00	11.45	88.23
	7/7/04		NP	11.57	0.00	11.57	88.11
	9/29/04		NP	11.34	0.00	11.34	88.34
	6/27/05		NP	11.82	0.00	11.82	87.86
	9/19/05		NP	12.61	0.00	12.61	87.07
	12/15/05		NP	11.39	0.00	11.39	88.29
	3/28/06		NP	11.70	0.00	11.70	87.98
	6/15/06		NP	10.81	0.00	10.81	88.87
	9/26/06		NP	11.48	0.00	11.48	88.20
	12/11/06		NP	11.35	0.00	11.35	88.33
	3/13/07		NP	11.35	0.00	11.35	88.33
	6/15/07		NP	11.35	0.00	11.35	88.33
	10/1/07		NP	12.30	0.00	12.30	87.38
	12/26/07		NP	11.60	0.00	11.60	88.08
	5/2/08		NP	11.56	0.00	11.56	88.12
	6/23/08		NP	11.62	0.00	11.62	88.06
	10/31/08		NB	12.13	0.00	12.13	87.55

NA - Well Not Accessible
NP - No Free Phase Product Detected
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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-5	3/31/03	102.10	NP	13.54	0.00	13.54	88.56
	6/12/03		NP	12.67	0.00	12.67	89.43
	9/18/03		NP	15.71	0.00	15.71	86.39
	12/2/03		NP	13.63	0.00	13.63	88.47
	3/16/04		NP	13.55	0.00	13.55	88.55
	7/7/04		NP	13.67	0.00	13.67	88.43
	9/29/04		NA	NA	NA	NA	NA
	6/27/05		NP	13.90	0.00	13.90	88.20
	9/19/05		NP	14.69	0.00	14.69	87.41
	12/15/05		NP	13.50	0.00	13.50	88.60
	3/28/06		NP	13.68	0.00	13.68	88.42
	6/15/06		NP	13.07	0.00	13.07	89.03
	9/26/06		NP	13.72	0.00	13.72	88.38
	12/11/06		NP	DRY	0.00	DRY	DRY
	3/13/07		NP	13.39	0.00	13.39	88.71
	6/15/07		NP	13.63	0.00	13.63	88.47
	10/1/07		NP	14.61	0.00	14.61	87.49
	12/26/07		NP	13.66	0.00	13.66	88.44
	5/2/08		NP	13.78	0.00	13.78	88.32
	6/23/08		NP	14.04	0.00	14.04	88.06
	10/31/08		NP	14.30	0.00	14.30	87.80
MW-6	3/31/03	102.60	NP	14.61	0.00	14.61	87.99
	6/12/03		NP	14.18	0.00	14.18	88.42
	9/18/03		NP	14.72	0.00	14.72	87.88
	12/2/03		NP	14.40	0.00	14.40	88.20
	3/16/04		NP	14.62	0.00	14.62	87.98
	7/7/04		NP	14.59	0.00	14.59	88.01
	9/29/04		NP	13.95	0.00	13.95	88.65
	6/27/05		NP	14.64	0.00	14.64	87.96
	9/19/05		NP	15.64	0.00	15.64	86.96
	12/15/05		NP	14.60	0.00	14.60	88.00
	3/28/06		NP	14.80	0.00	14.80	87.80
	6/15/06		NP	14.26	0.00	14.26	88.34
	9/26/06		NP	14.78	0.00	14.78	87.82
	12/11/06		NP	14.59	0.00	14.59	88.01
	3/13/07		NP	14.53	0.00	14.53	88.07
	6/15/07		NP	14.79	0.00	14.79	87.81
	10/1/07		NP	DRY	0.00	DRY	DRY
	12/26/07		NP	14.92	0.00	14.92	87.68
	5/2/08		NP	15.55	0.00	15.55	87.05
	6/23/08		NP	NA	NA	NA	NA
	10/31/08		NP	15.42	0.00	15.42	87.18
MW-7	3/31/03	101.98	NP	13.65	0.00	13.65	88.33
	6/12/03		NP	13.01	0.00	13.01	88.97
	9/18/03		NP	14.09	0.00	14.09	87.89
	12/2/03		NP	13.82	0.00	13.82	88.16
	3/16/04		NP	13.69	0.00	13.69	88.29
	7/7/04		NP	14.05	0.00	14.05	87.93
	9/29/04		NP	13.68	0.00	13.68	88.30
	6/27/05		NP	14.06	0.00	14.06	87.92
	9/19/05		NP	14.82	0.00	14.82	87.16
	12/15/05		NP	13.63	0.00	13.63	88.35
	3/28/06		NP	13.92	0.00	13.92	88.06
	6/15/06		NP	13.24	0.00	13.24	88.74
	9/26/06		NP	14.92	0.00	14.92	87.06
	12/11/06		NP	13.64	0.00	13.64	88.34
	3/13/07		NP	13.59	0.00	13.59	88.39
	6/15/07		NP	13.75	0.00	13.75	88.23
	10/1/07		NP	14.64	0.00	14.64	87.34
	12/26/07		NP	14.08	0.00	14.08	87.90
	5/2/08		NP	13.93	0.00	13.93	88.05
	6/23/08		NP	14.19	0.00	17.19	84.79
	10/31/08		NP	14.56	0.00	14.56	87.42

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-8	3/31/03	101.22	NP	13.02	0.00	13.02	88.20
	6/12/03		NP	12.34	0.00	12.34	88.88
	9/18/03		NP	13.23	0.00	13.23	87.99
	12/2/03		NP	13.10	0.00	13.10	88.12
	3/16/04		NP	13.22	0.00	13.22	88.00
	7/7/04		NP	13.39	0.00	13.39	87.83
	9/29/04		NP	12.93	0.00	12.93	88.29
	6/27/05		NP	13.41	0.00	13.41	87.81
	9/19/05		NP	14.12	0.00	14.12	87.10
	12/15/05		NP	13.04	0.00	13.04	88.18
	3/28/06		NP	13.32	0.00	13.32	87.90
	6/15/06		NP	12.46	0.00	12.46	88.76
	9/26/06		NP	13.17	0.00	13.17	88.05
	12/11/06		NP	12.92	0.00	12.92	88.30
	3/13/07		NP	13.01	0.00	13.01	88.21
	6/15/07		NP	13.00	0.00	13.00	88.22
	10/1/07		NP	13.87	0.00	13.87	87.35
	12/26/07		NP	13.49	0.00	13.49	87.73
	5/2/08		NP	13.40	0.00	13.40	87.82
	6/23/08		NP	13.54	0.00	13.54	87.68
	10/31/08		NP	13.94	0.00	13.94	87.28
MW-9	3/31/03	98.27	NP	12.53	0.00	12.53	85.74
	6/12/03		NP	11.89	0.00	11.89	86.38
	9/18/03		NP	13.18	0.00	13.18	85.09
	12/2/03		NP	13.10	0.00	13.10	85.17
	3/16/04		NP	11.95	0.00	11.95	86.32
	7/7/04		NP	13.29	0.00	13.29	84.98
	9/29/04		NP	12.74	0.00	12.74	85.53
	6/27/05		NP	13.19	0.00	13.19	85.08
	9/19/05		NP	13.84	0.00	13.84	84.43
	12/15/05		NP	12.48	0.00	12.48	85.79
	3/28/06		NP	12.84	0.00	12.84	85.43
	6/15/06		NP	12.13	0.00	12.13	86.14
	9/26/06		NP	13.01	0.00	13.01	85.26
	12/11/06		NP	12.45	0.00	12.45	85.82
	3/13/07		NP	12.79	0.00	12.79	85.48
	6/15/07		NP	12.65	0.00	12.65	85.62
	10/1/07		NP	13.46	0.00	13.46	84.81
	12/26/07		NP	13.10	0.00	13.10	85.17
	5/2/08		NP	13.82	0.00	13.82	84.45
	6/23/08		NP	12.98	0.00	12.98	85.29
	10/31/08		NP	13.47	0.00	13.47	84.80
MW-10	3/31/03	97.08	NP	11.00	0.00	11.00	86.08
	6/12/03		NP	NA	0.00	NA	NA
	9/18/03		NP	11.60	0.00	11.60	85.48
	12/2/03		NP	11.65	0.00	11.65	85.43
	3/16/04		NP	11.20	0.00	11.20	85.88
	7/7/04		NP	11.60	0.00	11.60	85.48
	9/29/04		NP	11.35	0.00	11.35	85.73
	6/27/05		NP	11.56	0.00	11.56	85.52
	9/19/05		NP	12.26	0.00	12.26	84.82
	12/15/05		NP	11.21	0.00	11.21	85.87
	3/28/06		NA	NA	NA	NA	NA
	6/15/06		NP	10.71	0.00	10.71	86.37
	9/26/06		NP	11.43	0.00	11.43	85.65
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	11.11	0.00	11.11	85.97
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NP	11.41	0.00	11.41	85.67
	5/2/08		NP	11.39	0.00	11.39	85.69
	6/23/08		NP	11.50	0.00	11.50	85.58
	10/31/08		N	11.81	0.00	11.81	85.27

NA - Well Not Accessible
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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-11	12/15/05	NSD	NP	15.35	0.00	15.35	NSD
	3/28/06	NSD	NP	15.40	0.00	15.40	NSD
	6/15/06	103.47	NP	14.90	0.00	14.90	88.57
	9/26/06		NP	15.41	0.00	15.41	88.06
	12/11/06		NP	15.22	0.00	15.22	88.25
	3/13/07		NP	15.19	0.00	15.19	88.28
	6/15/07		NP	15.56	0.00	15.56	87.91
	10/1/07		NP	16.56	0.00	16.56	86.91
	12/26/07		NP	15.48	0.00	15.48	87.99
	5/2/08		NP	16.88	0.00	16.88	86.59
	6/23/08		NP	15.97	0.00	15.97	87.50
	10/31/08		NP	16.40	0.00	16.40	87.07
MW-12	12/15/05	NSD	NP	13.84	0.00	13.84	NSD
	3/28/06	NSD	NP	14.00	0.00	14.00	NSD
	6/15/06	101.88	NP	13.12	0.00	13.12	88.76
	9/26/06		NP	13.78	0.00	13.78	88.10
	12/11/06		NP	13.61	0.00	13.61	88.27
	3/13/07		NP	13.65	0.00	13.65	88.23
	6/15/07		NP	13.78	0.00	13.78	88.10
	10/1/07		NP	14.67	0.00	14.67	87.21
	12/26/07		NP	14.01	0.00	14.01	87.87
	5/2/08		NP	14.21	0.00	14.21	87.67
	6/23/08		NP	14.26	0.00	14.26	87.62
	10/31/08		NP	14.62	0.00	14.62	87.26
MW-13	12/15/05	NSD	NP	11.19	0.00	11.19	NSD
	3/28/06	NSD	NP	11.46	0.00	11.46	NSD
	6/15/06	99.47	NP	10.73	0.00	10.73	88.74
	9/26/06		NP	11.43	0.00	11.43	88.04
	12/11/06		NP	11.13	0.00	11.13	88.34
	3/13/07		NP	11.14	0.00	11.14	88.33
	6/15/07		NP	11.07	0.00	11.07	88.40
	10/1/07		NA	12.00	0.00	12.00	87.47
	12/26/07		NA	11.29	0.00	11.29	88.18
	5/2/08		NA	11.33	0.00	11.33	88.14
	6/23/08		NP	11.45	0.00	11.45	88.02
	10/31/08		NP	11.80	0.00	11.80	87.67
MW-14	12/15/05	NSD	NP	10.47	0.00	10.47	NSD
	3/28/06	NSD	NP	10.67	0.00	10.67	NSD
	6/15/06	100.26	NP	9.70	0.00	9.70	90.56
	9/26/06		NP	10.79	0.00	10.79	89.47
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.18	0.00	10.18	90.08
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.43	0.00	10.43	89.83
	6/23/08		NP	11.88	0.00	11.88	88.38
	10/31/08		NP	11.18	0.00	11.18	89.08
MW-15	12/15/05	NSD	NP	10.83	0.00	10.83	NSD
	3/28/06	NSD	NP	10.94	0.00	10.94	NSD
	6/15/06	100.26	NP	10.02	0.00	10.02	90.24
	9/26/06		NP	11.02	0.00	11.02	89.24
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.48	0.00	10.48	89.78
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.72	0.00	10.72	89.54
	6/23/08		NP	11.15	0.00	11.15	89.11
	10/31/08		NP	11.51	0.00	11.51	88.75
MW-16	12/15/05	NSD	NP	10.22	0.00	10.22	NSD
	3/28/06	NSD	NP	10.39	0.00	10.39	NSD
	6/15/06	100.45	NP	9.71	0.00	9.71	90.74
	9/26/06		NP	10.64	0.00	10.64	89.81
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	9.95	0.00	9.95	90.50
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.26	0.00	10.26	90.19
	6/23/08		NP	10.75	0.00	10.75	89.70
	10/31/08		NP	11.11	0.00	11.11	89.34

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New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/17/08

Technical Report for

Getty Properties Corporation

TYREECT: #58014, 5510 Broadway. Bronx, NY

581209

Accutest Job Number: M78413

Sampling Date: 10/31/08

Report to:

Tyree organization

dmadigan@tyreeorg.com

ATTN: Dennis Madigan

Total number of pages in report: 28

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) PA (68-01121) NC (653) IL (200018) NAVY USACE

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Sample Summary

Getty Properties Corporation

Job No: M78413

TYREECT: #58014, 5510 Broadway. Bronx, NY
Project No: 581209

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M78413-1	10/31/08	10:10 GB	11/04/08	AQ	Ground Water	MW-1
M78413-2	10/31/08	10:20 GB	11/04/08	AQ	Ground Water	MW-2
M78413-3	10/31/08	10:30 GB	11/04/08	AQ	Ground Water	MW-3
M78413-4	10/31/08	10:40 GB	11/04/08	AQ	Ground Water	MW-5
M78413-5	10/31/08	10:50 GB	11/04/08	AQ	Ground Water	MW-6
M78413-6	10/31/08	11:00 GB	11/04/08	AQ	Ground Water	MW-7
M78413-7	10/31/08	11:10 GB	11/04/08	AQ	Ground Water	MW-8
M78413-8	10/31/08	11:20 GB	11/04/08	AQ	Ground Water	MW-9
M78413-9	10/31/08	11:30 GB	11/04/08	AQ	Ground Water	MW-10
M78413-10	10/31/08	11:40 GB	11/04/08	AQ	Ground Water	MW-11
M78413-11	10/31/08	11:50 GB	11/04/08	AQ	Ground Water	MW-12
M78413-12	10/31/08	12:00 GB	11/04/08	AQ	Ground Water	MW-13
M78413-13	10/31/08	12:10 GB	11/04/08	AQ	Ground Water	MW-14

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Sample Summary
(continued)

Getty Properties Corporation

Job No: M78413

TYREECT: #58014, 5510 Broadway. Bronx, NY
Project No: 581209

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M78413-14	10/31/08	12:20 GB	11/04/08	AQ	Ground Water	MW-15
M78413-15	10/31/08	12:30 GB	11/04/08	AQ	Ground Water	MW-16

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	M78413-1	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4953.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	3.8	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	2.8	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-130%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	M78413-2	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4968.D	5	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	340	2.5	ug/l	
108-88-3	Toluene	84.8	5.0	ug/l	
100-41-4	Ethylbenzene	874	5.0	ug/l	
1330-20-7	Xylene (total)	1090	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	16.3	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	M78413-3	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4956.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-130%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M78413-4	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4957.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-130%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M78413-5	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T4958.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	37.3	0.50	ug/l	
108-88-3	Toluene	1.3	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	2.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M78413-5	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T4958.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	37.3	0.50	ug/l	
108-88-3	Toluene	1.3	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	2.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	11.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	M78413-6	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4967.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	278	0.50	ug/l	
108-88-3	Toluene	8.2	1.0	ug/l	
100-41-4	Ethylbenzene	8.1	1.0	ug/l	
1330-20-7	Xylene (total)	25.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	16.9	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-130%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	M78413-7	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4959.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	34.4	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	1.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	34.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-130%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	M78413-8	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4969.D	10	11/05/08	AT	n/a	n/a	MST174
Run #2	T4970.D	100	11/05/08	AT	n/a	n/a	MST174

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	6690 [a]	50	ug/l	
108-88-3	Toluene	33.5	10	ug/l	
100-41-4	Ethylbenzene	49.1	10	ug/l	
1330-20-7	Xylene (total)	66.9	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1060	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	97%	79-130%
2037-26-5	Toluene-D8	98%	98%	80-120%
460-00-4	4-Bromofluorobenzene	101%	99%	80-120%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M78413-9	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4960.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	0.79	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-130%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M78413-10	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4961.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-130%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M78413-11	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4962.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	100	0.50	ug/l	
108-88-3	Toluene	2.5	1.0	ug/l	
100-41-4	Ethylbenzene	101	1.0	ug/l	
1330-20-7	Xylene (total)	4.7	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	25.7	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M78413-12	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4963.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	12.3	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-130%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M78413-13	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4964.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		79-130%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M78413-14	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4965.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		79-130%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	M78413-15	**Date Sampled:**	10/31/08
Matrix:	AQ - Ground Water	**Date Received:**	11/04/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREECT: #58014, 5510 Broadway. Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T4966.D	1	11/05/08	AT	n/a	n/a	MST174
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		79-130%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Parameter Certifications
- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST.

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: M78413
Accutest Quote #:

3.1 3

Client Information

Name: GRC
Address: 208 Route 109
City / State / Zip: Farmingdale NY 12110
Send Report to: Dennis Madigan
Phone #: (631) 249-3150 ext 204

Facility Information

Project Name: Getty 58014
Location: 5510 Broadway Bronx, NY
Project No.: 581209
FAX #:

Analytical Information

Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	None	BTEX+MTBE by 8260/624 VBTMS
MW-1 -1	10/31/08	1010	GB	GW	3	3					X
MW-2 -2	10/31/08	1020	GB	GW	3	3					X
MW-3 -3	10/31/08	1030	GB	GW	3	3					X
MW-5 -4	10/31/08	1040	GB	GW	3	3					X
MW-6 -5	10/31/08	1050	GB	GW	3	3					X
MW-7 -6	10/31/08	1100	GB	GW	3	3					X
MW-8 -7	10/31/08	1110	GB	GW	3	3					X
MW-9 -8	10/31/08	1120	GB	GW	3	3					X
MW-10 -9	10/31/08	1130	GB	GW	3	3					X
MW-11 -10	10/31/08	1140	GB	GW	3	3					X

Turnaround Information

- [ ] 21 Day Standard
- [ ] 14 Days *RUSH*
- [ ] 7 Days *EMERGENCY*
- [x] Other 10-Day Rush

Approved By: GB

21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [x] Commercial "B"
- [ ] State Forms

Comments / Remarks

bac 2 65

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Gary Bohan	1600 10/31/08	1 Fed Ex	2 Fed Ex	11/4/08 9:15	2 [illegible]
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserve where applicable [ ]	On Ice [ ] Temperature 4.3, 4.8

M78413: Chain of Custody
Page 1 of 2

CHAIN OF CUSTODY

ACCUTEST.

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #:

Accutest Quote #:

3.1 3

Client Information

Name: GRC
Address: 208 Route 109
City: Farmingdale, NY State: NY Zip: 12110
Send Report to: Dennis Madigan
Phone #: (631)249-3150 ext 204

Facility Information

Project Name: Getty 58014
Location: 5510 Broadway, Bronx, NY
Project No.: 581209
FAX #:

Analytical Information

Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	None	BTEX+MTBE by 8260/624 VB STXM							
MW-12 -11	10/31/08	1150	GB	GW	3	3					X							
MW-13 -12	10/31/08	1200	GB	GW	3	3					X							
MW-14 -13	10/31/08	1210	GB	GW	3	3					X							
MW-15 -14	10/31/08	1220	GB	GW	3	3					X							
MW-16 -15	10/31/08	1230	GB	GW	3	3					X							

Turnaround Information

- ☐ 21 Day Standard — Approved By:
- ☐ 14 Days *RUSH*
- ☐ 7 Days *EMERGENCY*
- ☒ Other 10 Day Rush — GB

21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.

Data Deliverable Information

- ☐ NJ Reduced
- ☐ NJ Full
- ☐ FULL CLP
- ☐ Disk Deliverable
- ☐ Other (Specify)
- ☐ Commercial "A"
- ☒ Commercial "B"
- ☐ State Forms

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 Mary Bohan	1600 10/31/08	1	2		2
3		3	4		4
5		5			

Seal # — Preserve where applicable ☐ — On Ice ☐ — Temperature 4.3, 4.8

M78413: Chain of Custody
Page 2 of 2

4

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: M78413
Account: GETTYPC Getty Properties Corporation
Project: TYREECT: #58014, 5510 Broadway. Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST174-MB	T4952.D	1	11/05/08	AT	n/a	n/a	MST174

The QC reported here applies to the following samples: **Method:** SW846 8260B

M78413-1, M78413-2, M78413-3, M78413-4, M78413-5, M78413-6, M78413-7, M78413-8, M78413-9, M78413-10, M78413-11, M78413-12, M78413-13, M78413-14, M78413-15

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	79-130%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	98%	80-120%

Blank Spike Summary

Job Number: M78413
Account: GETTYPC Getty Properties Corporation
Project: TYREECT: #58014, 5510 Broadway. Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST174-BS	T4950.D	1	11/05/08	AT	n/a	n/a	MST174

The QC reported here applies to the following samples: **Method:** SW846 8260B

M78413-1, M78413-2, M78413-3, M78413-4, M78413-5, M78413-6, M78413-7, M78413-8, M78413-9, M78413-10, M78413-11, M78413-12, M78413-13, M78413-14, M78413-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	53.8	108	78-120
100-41-4	Ethylbenzene	50	55.3	111	79-123
1634-04-4	Methyl Tert Butyl Ether	50	51.8	104	70-130
108-88-3	Toluene	50	54.8	110	77-121
1330-20-7	Xylene (total)	150	168	112	76-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	79-130%
2037-26-5	Toluene-D8	98%	80-120%
460-00-4	4-Bromofluorobenzene	99%	80-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M78413
Account: GETTYPC Getty Properties Corporation
Project: TYREECT: #58014, 5510 Broadway. Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M78413-1MS	T4954.D	5	11/05/08	AT	n/a	n/a	MST174
M78413-1MSD	T4955.D	5	11/05/08	AT	n/a	n/a	MST174
M78413-1	T4953.D	1	11/05/08	AT	n/a	n/a	MST174

The QC reported here applies to the following samples: **Method:** SW846 8260B

M78413-1, M78413-2, M78413-3, M78413-4, M78413-5, M78413-6, M78413-7, M78413-8, M78413-9, M78413-10, M78413-11, M78413-12, M78413-13, M78413-14, M78413-15

CAS No.	Compound	M78413-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	3.8		250	293	116	285	112	3	70-130/30
100-41-4	Ethylbenzene	ND		250	285	114	283	113	1	60-138/30
1634-04-4	Methyl Tert Butyl Ether	2.9		250	285	113	290	115	2	54-144/30
108-88-3	Toluene	ND		250	287	115	281	112	2	66-134/30
1330-20-7	Xylene (total)	2.8		750	854	113	859	114	1	58-139/30

CAS No.	Surrogate Recoveries	MS	MSD	M78413-1	Limits
1868-53-7	Dibromofluoromethane	100%	101%	98%	79-130%
2037-26-5	Toluene-D8	99%	99%	95%	80-120%
460-00-4	4-Bromofluorobenzene	101%	101%	100%	80-120%

Volatile Surrogate Recovery Summary

Job Number: M78413
Account: GETTYPC Getty Properties Corporation
Project: TYREECT: #58014, 5510 Broadway. Bronx, NY

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
M78413-1	T4953.D	98.0	95.0	100.0
M78413-2	T4968.D	101.0	98.0	100.0
M78413-3	T4956.D	98.0	96.0	99.0
M78413-4	T4957.D	100.0	94.0	100.0
M78413-5	T4958.D	102.0	99.0	100.0
M78413-6	T4967.D	104.0	98.0	102.0
M78413-7	T4959.D	100.0	96.0	100.0
M78413-8	T4970.D	97.0	98.0	99.0
M78413-8	T4969.D	98.0	98.0	101.0
M78413-9	T4960.D	101.0	95.0	99.0
M78413-10	T4961.D	100.0	97.0	101.0
M78413-11	T4962.D	104.0	99.0	103.0
M78413-12	T4963.D	99.0	95.0	99.0
M78413-13	T4964.D	100.0	97.0	101.0
M78413-14	T4965.D	99.0	97.0	101.0
M78413-15	T4966.D	101.0	94.0	100.0
M78413-1MS	T4954.D	100.0	99.0	101.0
M78413-1MSD	T4955.D	101.0	99.0	101.0
MST174-BS	T4950.D	97.0	98.0	99.0
MST174-MB	T4952.D	97.0	98.0	98.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	79-130%
S2 = Toluene-D8	80-120%
S3 = 4-Bromofluorobenzene	80-120%

THIS MEMORANDUM is an acknowledgement th bill of ladi or duplicate, covering th rty named here: d is not the Original Bill of Lading, not a copy ded solely for filing or record.

er's No. 002633

Carrier TYREE ORGANIZATION SCAC _____ Carrier's No. NY1A-127

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at _____, date _____ from _____

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO:
Consignee ENVIRONMENTAL WASTE TREATMENT, LLC
Street 203 ROUTE 109
Destination FARMINGDALE, NY Zip 11735

FROM:
Shipper 58014
Street
Origin Zip

Route

Delivering Carrier | Vehicle Number | U.S. DOT Hazmat Reg. Number 0719085500240

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1T	X	UN1203	Gasoline, water mix	3	II	270		G

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☐ Collect ☐ $

FREIGHT CHARGES: ☐ Prepaid ☐ Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

PLACARDS REQUIRED Flam

PLACARDS SUPPLIED ☐ BY SHIPPER ☒ BY CARRIER

DRIVER'S SIGNATURE:

SHIPPER: _____
PER: X _____ DATE: 10 23 08

CARRIER: Tyree
PER: _____ DATE: 10 23 08

EMERGENCY RESPONSE TELEPHONE NUMBER: (203) 740-5700

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

CONTAINS HAZARDOUS MATERIALS

CONTAINS HAZARDOUS MATERIALS

QUARTERLY MONITORING REPORT

Site Address:	Getty S/S #58014 5510 Broadway Bronx, New York	**Regulatory Agency:** **Regulatory Contact:** **Case #:**	NYSDEC (Region II) Rui Jun Feng 93-11138
Prepared for:	Getty Properties Corp. 125 Jericho Tpke. Jericho, New York 11753	**Getty Contact:** **Delta Env. Contact:** **Tyree Contact:**	Kevin Shea Paul Lindell Jennifer Kotch

Report Date: September 2009

Spill Information:
Cause: Tank test failure - December 14, 1993
Source: Former USTs onsite

Current Site Status: Active gasoline retail/service station

Monitoring Period: April through June 2009, Second Quarter 2009

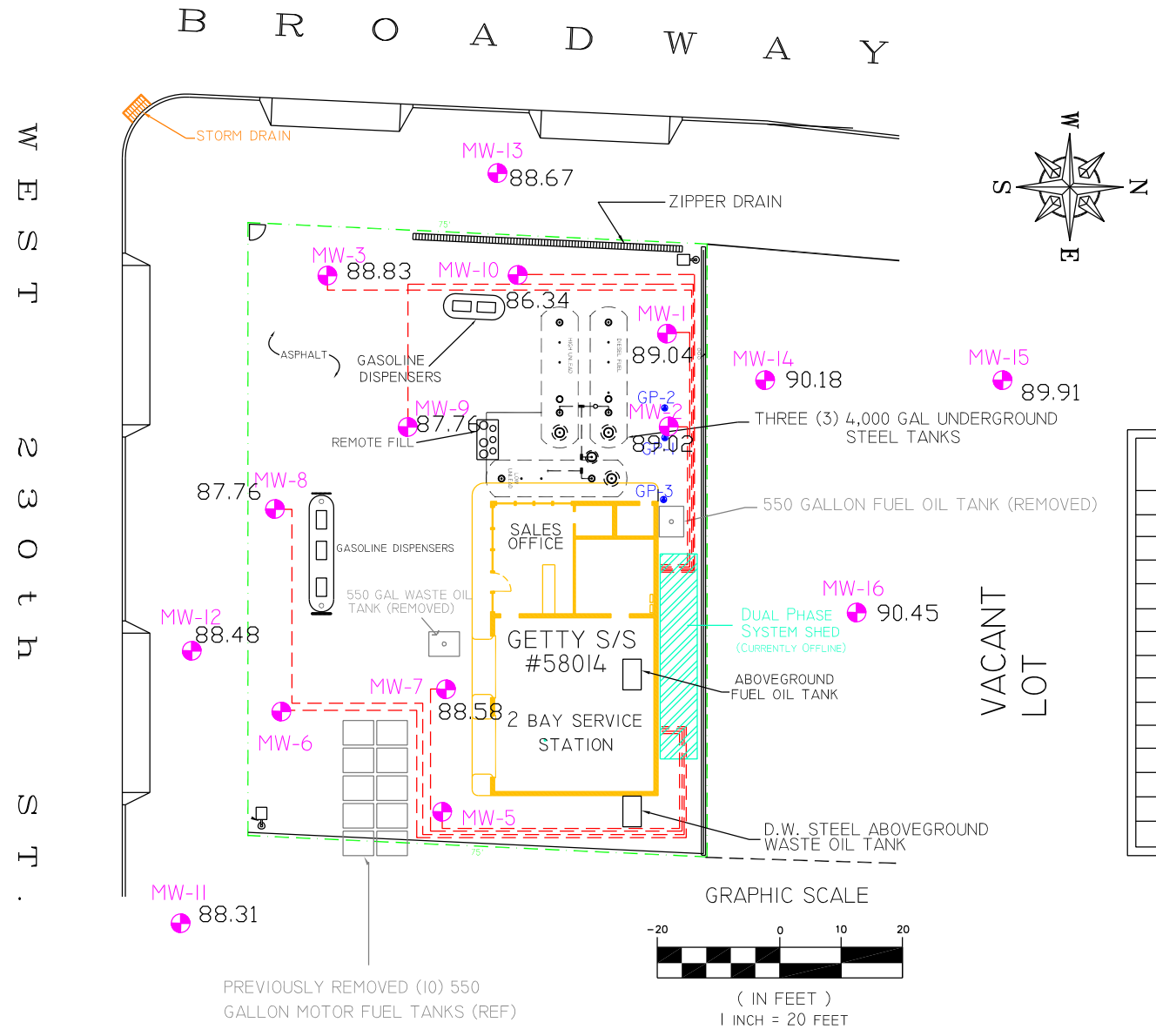
Well Information:
Number/type: 15 monitoring wells

Groundwater Monitoring:
Gauging Frequency: Quarterly
Sampling Frequency: Quarterly
Wells containing LNAPL: None
LNAPL Thickness: N/A
Total BTEX: Non-detect to 3,400.7 (MW-9) ppb
MTBE: Non detect to 531 (MW-9) ppb
Groundwater Depth: 9.80 feet to 14.43 feet below grade
Groundwater Flow: Southeasterly

Remedial Activities: Remedial strategy will be determined by divestment activities. Dual Phase High Vacuum Extration System – Monthly System Checks, Quarterly Sampling of Air Discharge and Water Influent and Effluent.

Notes: Liquid phase and soil vapor extraction systems not operational as of December 2006 due to electrical issues with Consolidated Edison. Subject site is scheduled for divestment in the third quarter 2009.

TYREE ENVIRONMENTAL CORP
1 NORTHWAY LANE
LATHAM, NEW YORK 12110
(518) 786-3200



LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Gauging Collected on 7/14/09

Data Collected on 7/14/09

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	89.04	<MDL	2.1
MW-2	89.02	3,291	34.1
MW-3	88.83	2.5	<MDL
MW-5	88.78	<MDL	1.3
MW-6	88.15	76	5.3
MW-7	88.58	237.2	18
MW-8	87.76	1.1	<MDL
MW-9	NA	3400.7	531
MW-10	86.34	5	<MDL
MW-11	88.31	<MDL	<MDL
MW-12	88.48	<MDL	<MDL
MW-13	88.67	26.3	<MDL
MW-14	90.18	<MDL	<MDL
MW-15	89.91	<MDL	<MDL
MW-16	90.45	<MDL	<MDL

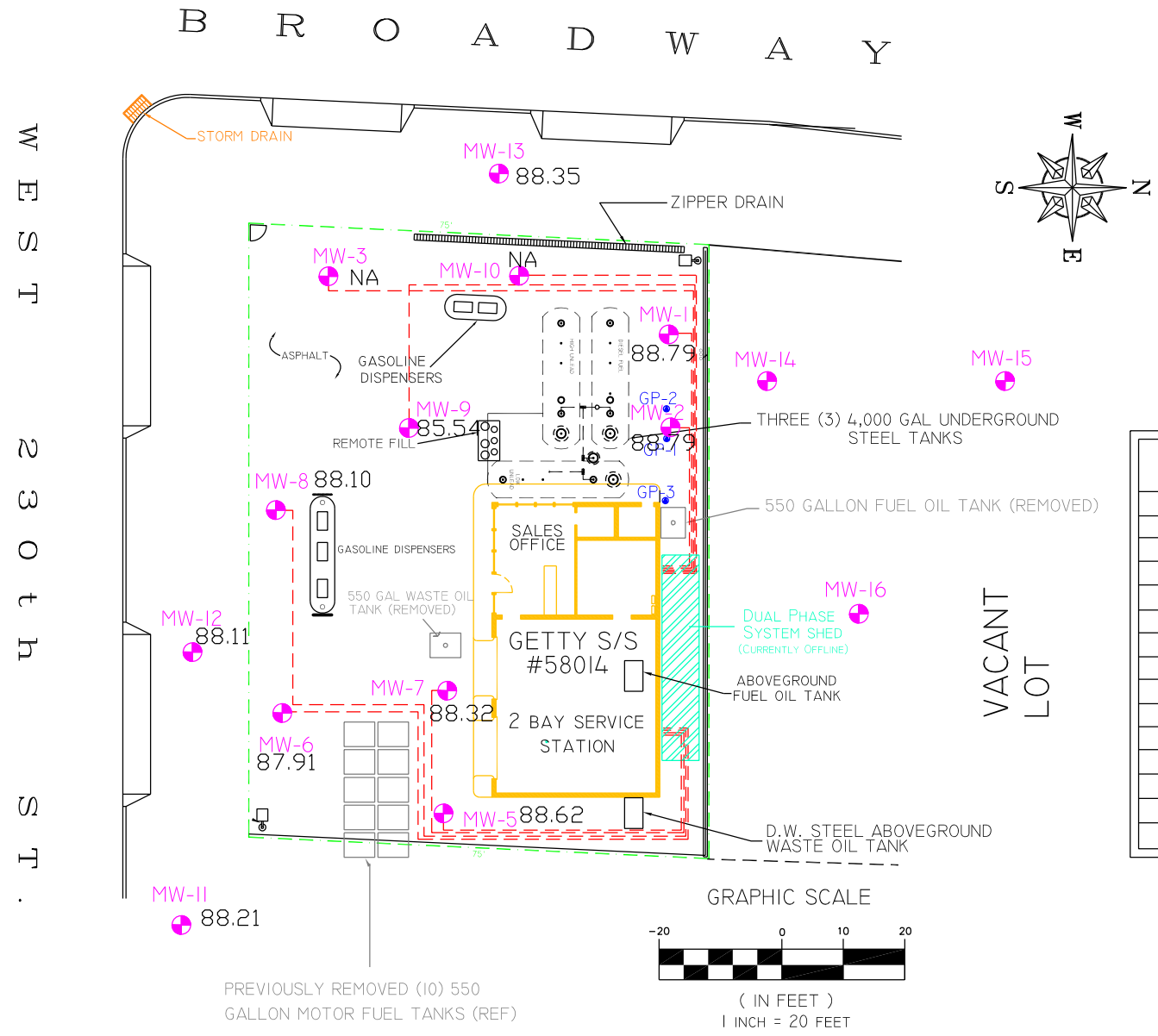
<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE: QUARTERLY MONITORING REPORT
SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03

SCALE: As Shown
PLATE: QMR



LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Gauging Collected on 5/26/09
Data Collected on 7/14/09

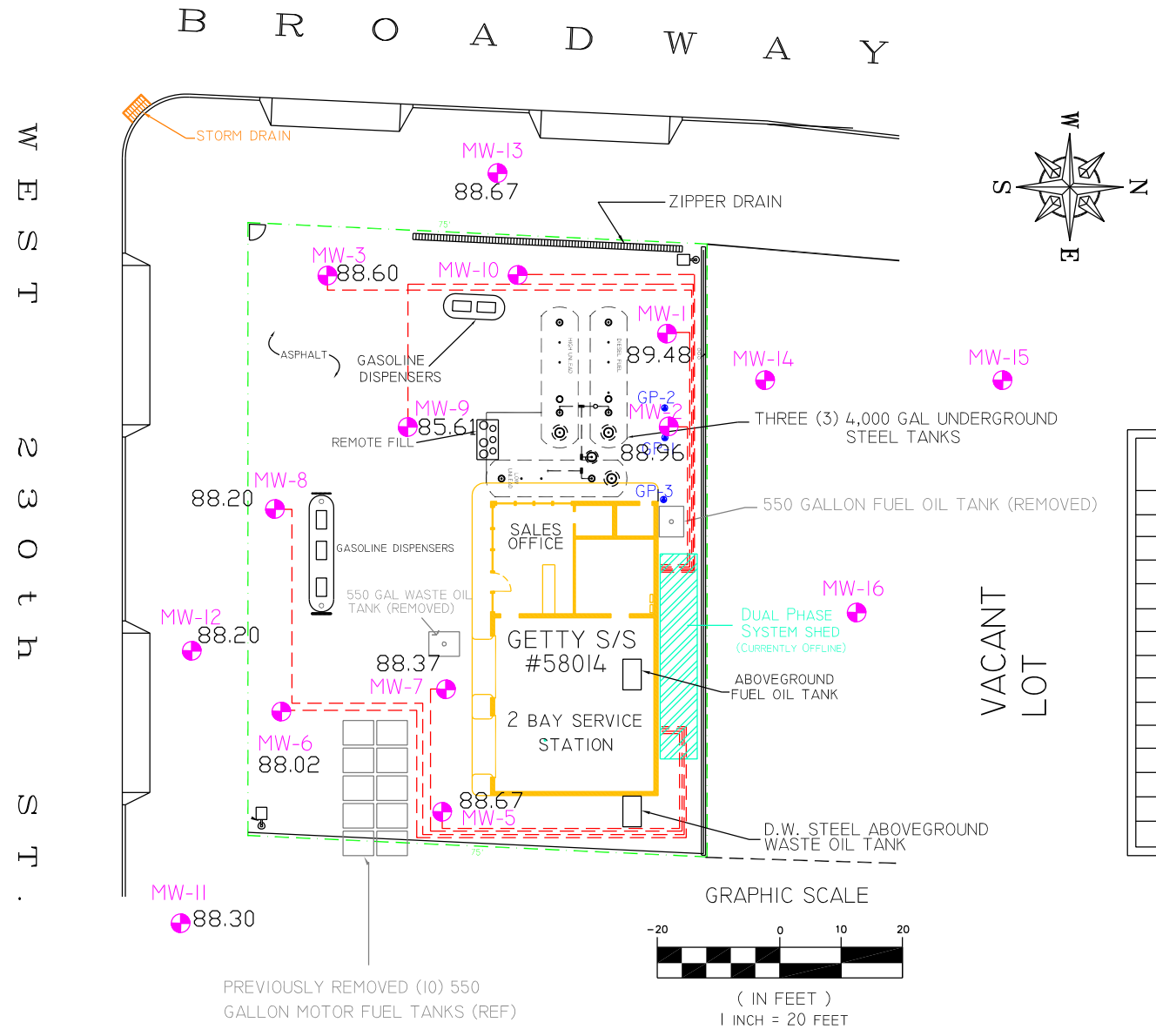
Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	88.79	<MDL	2.1
MW-2	88.79	3,291	34.1
MW-3	NA	2.5	<MDL
MW-5	88.62	<MDL	1.3
MW-6	87.91	76	5.3
MW-7	88.32	237.2	18
MW-8	88.10	1.1	<MDL
MW-9	85.54	3400.7	531
MW-10	NA	5	<MDL
MW-11	88.21	<MDL	<MDL
MW-12	88.11	<MDL	<MDL
MW-13	88.35	26.3	<MDL
MW-14	NA	<MDL	<MDL
MW-15	NA	<MDL	<MDL
MW-16	NA	<MDL	<MDL

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE: QUARTERLY MONITORING REPORT
SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03
SCALE: As Shown
PLATE: QMR



LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Gauging Collected on 6/11/09
Data Collected on 7/14/09

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	89.48	<MDL	2.1
MW-2	88.96	3,291	34.1
MW-3	88.60	2.5	<MDL
MW-5	88.67	<MDL	1.3
MW-6	88.02	76	5.3
MW-7	88.37	237.2	18
MW-8	88.20	1.1	<MDL
MW-9	85.61	3400.7	531
MW-10	NA	5	<MDL
MW-11	88.30	<MDL	<MDL
MW-12	88.20	<MDL	<MDL
MW-13	88.67	26.3	<MDL
MW-14	NA	<MDL	<MDL
MW-15	NA	<MDL	<MDL
MW-16	NA	<MDL	<MDL

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE: QUARTERLY MONITORING REPORT
SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03

SCALE: As Shown
PLATE: QMR

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-1	3/31/03	99.94	NP	11.02	0.00	11.02	88.92
	6/12/03		NP	10.32	0.00	10.32	89.62
	9/18/03		NP	11.63	0.00	11.63	88.31
	12/2/03		NP	11.45	0.00	11.45	88.49
	3/16/04		NP	11.33	0.00	11.33	88.61
	7/7/04		NP	11.78	0.00	11.78	88.16
	9/29/04		NP	10.52	0.00	10.52	89.42
	6/27/05		NP	11.69	0.00	11.69	88.25
	9/19/05		NP	12.52	0.00	12.52	87.42
	12/15/05		NP	11.16	0.00	11.16	88.78
	3/28/06		NP	11.49	0.00	11.49	88.45
	6/15/06		NP	10.64	0.00	10.64	89.30
	9/26/06		NP	11.61	0.00	11.61	88.33
	12/11/06		NP	11.18	0.00	11.18	88.76
	3/13/07		NP	11.16	0.00	11.16	88.78
	6/15/07		NP	11.14	0.00	11.14	88.80
	10/1/07		NP	12.22	0.00	12.22	87.72
	12/26/07		NP	11.41	0.00	11.41	88.53
	5/2/08		NP	11.35	0.00	11.35	88.59
	6/23/08		NP	11.68	0.00	11.68	88.26
	10/31/08		NP	12.02	0.00	12.02	87.92
	1/28/09		NP	11.27	0.00	11.27	88.67
	2/20/09		NP	11.60	0.00	11.60	88.34
	3/24/09		NP	11.88	0.00	11.88	88.06
	4/23/09		NP	10.71	0.00	10.71	89.23
	5/26/09		NP	11.15	0.00	11.15	88.79
	6/11/09		NP	11.03	0.00	11.03	88.91
	6/26/09		NP	10.46	0.00	10.46	89.48
	7/14/09		NP	10.90	0.00	10.90	89.04
MW-2	3/31/03	100.23	11.36	11.38	0.02	11.37	88.86
	6/12/03		NP	10.78	0.00	10.78	89.45
	9/18/03		11.97	11.98	0.01	11.97	88.26
	12/2/03		NP	11.91	0.00	11.91	88.32
	3/16/04		NP	11.62	0.00	11.62	88.61
	7/7/04		NP	12.28	0.00	12.28	87.95
	9/29/04		NP	11.40	0.00	11.40	88.83
	6/27/05		NP	12.02	0.00	12.02	88.21
	9/19/05		12.85	12.86	0.01	12.85	87.38
	12/15/05		NP	11.45	0.00	11.45	88.78
	3/28/06		NP	11.72	0.00	11.72	88.51
	6/15/06		NP	10.93	0.00	10.93	89.30
	9/26/06		NP	11.94	0.00	11.94	88.29
	12/11/06		NP	11.46	0.00	11.46	88.77
	3/13/07		NP	11.44	0.00	11.44	88.79
	6/15/07		NP	11.48	0.00	11.48	88.75
	10/1/07		NP	12.56	0.00	12.56	87.67
	12/26/07		NP	11.62	0.00	11.62	88.61
	5/2/08		NP	11.52	0.00	11.52	88.71
	6/23/08		NA	NA	NA	NA	NA
	10/31/08		NP	12.18	0.00	12.18	88.05
	1/28/09		NP	11.46	0.00	11.46	88.77
	2/20/09		NP	11.90	0.00	11.90	88.33
	3/24/09		NP	12.16	0.00	12.16	88.07
	4/23/09		NP	10.88	0.00	10.88	89.35
	5/26/09		NP	11.48	0.00	11.48	88.75
	6/11/09		NP	11.27	0.00	11.27	88.96
	6/26/09		NP	10.75	0.00	10.75	89.48
	7/14/09		NP	11.21	0.00	11.21	89.02
MW-3	3/31/03	99.68	NP	11.25	0.00	11.25	88.43
	6/12/03		NP	10.79	0.00	10.79	88.89
	9/18/03		NP	11.74	0.00	11.74	87.94
	12/2/03		NP	11.50	0.00	11.50	88.18
	3/16/04		NP	11.45	0.00	11.45	88.23
	7/7/04		NP	11.57	0.00	11.57	88.11
	9/29/04		NP	11.34	0.00	11.34	88.34
	6/27/05		NP	11.82	0.00	11.82	87.86
	9/19/05		NP	12.61	0.00	12.61	87.07
	12/15/05		NP	11.39	0.00	11.39	88.29
	3/28/06		NP	11.70	0.00	11.70	87.98
	6/15/06		NP	10.81	0.00	10.81	88.87
	9/26/06		NP	11.48	0.00	11.48	88.20
	12/11/06		NP	11.35	0.00	11.35	88.33
	3/13/07		NP	11.35	0.00	11.35	88.33
	6/15/07		NP	11.35	0.00	11.35	88.33
	10/1/07		NP	12.30	0.00	12.30	87.38
	12/26/07		NP	11.60	0.00	11.60	88.08
	5/2/08		NP	11.56	0.00	11.56	88.12
	6/23/08		NP	11.62	0.00	11.62	88.06
	10/31/08		NB	12.13	0.00	12.13	87.55
	1/28/09		NP	11.64	0.00	11.64	88.04
	2/20/09		NP	11.80	0.00	11.80	87.88
	3/24/09		NP	12.14	0.00	12.14	87.54
	4/23/09		NP	11.04	0.00	11.04	88.64
	5/26/09		NP	NS	NS	NS	NS
	6/11/09		NP	11.08	0.00	11.08	88.60
	6/26/09		NP	10.49	0.00	10.49	89.19
	7/14/09		NP	10.85	0.00	10.85	88.83

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-5	3/31/03	102.10	NP	13.54	0.00	13.54	88.56
	6/12/03		NP	12.67	0.00	12.67	89.43
	9/18/03		NP	15.71	0.00	15.71	86.39
	12/2/03		NP	13.63	0.00	13.63	88.47
	3/16/04		NP	13.55	0.00	13.55	88.55
	7/7/04		NP	13.67	0.00	13.67	88.43
	9/29/04		NA	NA	NA	NA	NA
	6/27/05		NP	13.90	0.00	13.90	88.20
	9/19/05		NP	14.69	0.00	14.69	87.41
	12/15/05		NP	13.50	0.00	13.50	88.60
	3/28/06		NP	13.68	0.00	13.68	88.42
	6/15/06		NP	13.07	0.00	13.07	89.03
	9/26/06		NP	13.72	0.00	13.72	88.38
	12/11/06		NP	DRY	0.00	DRY	DRY
	3/13/07		NP	13.39	0.00	13.39	88.71
	6/15/07		NP	13.63	0.00	13.63	88.47
	10/1/07		NP	14.61	0.00	14.61	87.49
	12/26/07		NP	13.66	0.00	13.66	88.44
	5/2/08		NP	13.78	0.00	13.78	88.32
	6/23/08		NP	14.04	0.00	14.04	88.06
	10/31/08		NP	14.30	0.00	14.30	87.80
	1/28/09		NP	13.83	0.00	13.83	88.27
	2/20/09		NP	14.00	0.00	14.00	88.10
	3/24/09		NP	14.04	0.00	14.04	88.06
	4/23/09		NP	13.28	0.00	13.28	88.82
	5/26/09		NP	13.48	0.00	13.48	88.62
	6/11/09		NP	13.43	0.00	13.43	88.67
	6/26/09		NP	12.95	0.00	12.95	89.15
	7/14/09		NP	13.32	0.00	13.32	88.78
MW-6	3/31/03	102.60	NP	14.61	0.00	14.61	87.99
	6/12/03		NP	14.18	0.00	14.18	88.42
	9/18/03		NP	14.72	0.00	14.72	87.88
	12/2/03		NP	14.40	0.00	14.40	88.20
	3/16/04		NP	14.62	0.00	14.62	87.98
	7/7/04		NP	14.59	0.00	14.59	88.01
	9/29/04		NP	13.95	0.00	13.95	88.65
	6/27/05		NP	14.64	0.00	14.64	87.96
	9/19/05		NP	15.64	0.00	15.64	86.96
	12/15/05		NP	14.60	0.00	14.60	88.00
	3/28/06		NP	14.80	0.00	14.80	87.80
	6/15/06		NP	14.26	0.00	14.26	88.34
	9/26/06		NP	14.78	0.00	14.78	87.82
	12/11/06		NP	14.59	0.00	14.59	88.01
	3/13/07		NP	14.53	0.00	14.53	88.07
	6/15/07		NP	14.79	0.00	14.79	87.81
	10/1/07		NP	DRY	0.00	DRY	DRY
	12/26/07		NP	14.92	0.00	14.92	87.68
	5/2/08		NP	15.55	0.00	15.55	87.05
	6/23/08		NP	NA	NA	NA	NA
	10/31/08		NP	15.42	0.00	15.42	87.18
	1/28/09		NP	14.85	0.00	14.85	87.75
	2/20/09		NP	16.00	0.00	16.00	86.60
	3/24/09		NP	15.28	0.00	15.28	87.32
	4/23/09		NP	14.60	0.00	14.60	88.00
	5/26/09		NP	14.69	0.00	14.69	87.91
	6/11/09		NP	14.58	0.00	14.58	88.02
	6/26/09		NP	14.23	0.00	14.23	88.37
	7/14/09		NP	14.45	0.00	14.45	88.15
MW-7	3/31/03	101.98	NP	13.65	0.00	13.65	88.33
	6/12/03		NP	13.01	0.00	13.01	88.97
	9/18/03		NP	14.09	0.00	14.09	87.89
	12/2/03		NP	13.82	0.00	13.82	88.16
	3/16/04		NP	13.69	0.00	13.69	88.29
	7/7/04		NP	14.05	0.00	14.05	87.93
	9/29/04		NP	13.68	0.00	13.68	88.30
	6/27/05		NP	14.06	0.00	14.06	87.92
	9/19/05		NP	14.82	0.00	14.82	87.16
	12/15/05		NP	13.63	0.00	13.63	88.35
	3/28/06		NP	13.92	0.00	13.92	88.06
	6/15/06		NP	13.24	0.00	13.24	88.74
	9/26/06		NP	14.92	0.00	14.92	87.06
	12/11/06		NP	13.64	0.00	13.64	88.34
	3/13/07		NP	13.59	0.00	13.59	88.39
	6/15/07		NP	13.75	0.00	13.75	88.23
	10/1/07		NP	14.64	0.00	14.64	87.34
	12/26/07		NP	14.08	0.00	14.08	87.90
	5/2/08		NP	13.93	0.00	13.93	88.05
	6/23/08		NP	14.19	0.00	17.19	84.79
	10/31/08		NP	14.56	0.00	14.56	87.42
	1/28/09		NP	13.95	0.00	13.95	88.03
	2/20/09		NP	14.30	0.00	14.30	87.68
	3/24/09		NP	NSD	NS	NS	NSD
	4/23/09		NP	13.63	0.00	13.63	88.35
	5/26/09		NP	13.66	0.00	13.66	88.32
	6/11/09		NP	13.61	0.00	13.61	88.37
	6/26/09		NP	13.07	0.00	13.07	88.91
	7/14/09		NP	13.40	0.00	13.40	88.58

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-8	3/31/03	101.22	NP	13.02	0.00	13.02	88.20
	6/12/03		NP	12.34	0.00	12.34	88.88
	9/18/03		NP	13.23	0.00	13.23	87.99
	12/2/03		NP	13.10	0.00	13.10	88.12
	3/16/04		NP	13.22	0.00	13.22	88.00
	7/7/04		NP	13.39	0.00	13.39	87.83
	9/29/04		NP	12.93	0.00	12.93	88.29
	6/27/05		NP	13.41	0.00	13.41	87.81
	9/19/05		NP	14.12	0.00	14.12	87.10
	12/15/05		NP	13.04	0.00	13.04	88.18
	3/28/06		NP	13.32	0.00	13.32	87.90
	6/15/06		NP	12.46	0.00	12.46	88.76
	9/26/06		NP	13.17	0.00	13.17	88.05
	12/11/06		NP	12.92	0.00	12.92	88.30
	3/13/07		NP	13.01	0.00	13.01	88.21
	6/15/07		NP	13.00	0.00	13.00	88.22
	10/1/07		NP	13.87	0.00	13.87	87.35
	12/26/07		NP	13.49	0.00	13.49	87.73
	5/2/08		NP	13.40	0.00	13.40	87.82
	6/23/08		NP	13.54	0.00	13.54	87.68
	10/31/08		NP	13.94	0.00	13.94	87.28
	1/28/09		NP	13.40	0.00	13.40	87.82
	2/20/09		NA	NA	NA	NA	NA
	3/24/09		NP	13.88	0.00	13.88	87.34
	4/23/09		NP	13.12	0.00	13.12	88.10
	5/26/09		NP	13.12	0.00	13.12	88.10
	6/11/09		NP	13.02	0.00	13.02	88.20
	6/26/09		NP	12.46	0.00	12.46	88.76
	7/14/09		NP	13.46	0.00	13.46	87.76
MW-9	3/31/03	98.27	NP	12.53	0.00	12.53	85.74
	6/12/03		NP	11.89	0.00	11.89	86.38
	9/18/03		NP	13.18	0.00	13.18	85.09
	12/2/03		NP	13.10	0.00	13.10	85.17
	3/16/04		NP	11.95	0.00	11.95	86.32
	7/7/04		NP	13.29	0.00	13.29	84.98
	9/29/04		NP	12.74	0.00	12.74	85.53
	6/27/05		NP	13.19	0.00	13.19	85.08
	9/19/05		NP	13.84	0.00	13.84	84.43
	12/15/05		NP	12.48	0.00	12.48	85.79
	3/28/06		NP	12.84	0.00	12.84	85.43
	6/15/06		NP	12.13	0.00	12.13	86.14
	9/26/06		NP	13.01	0.00	13.01	85.26
	12/11/06		NP	12.45	0.00	12.45	85.82
	3/13/07		NP	12.79	0.00	12.79	85.48
	6/15/07		NP	12.65	0.00	12.65	85.62
	10/1/07		NP	13.46	0.00	13.46	84.81
	12/26/07		NP	13.10	0.00	13.10	85.17
	5/2/08		NP	13.82	0.00	13.82	84.45
	6/23/08		NP	12.98	0.00	12.98	85.29
	10/31/08		NP	13.47	0.00	13.47	84.80
	1/28/09		NP	12.96	0.00	12.96	85.31
	2/20/09		NP	14.20	0.00	14.20	84.07
	3/24/09		NP	13.46	0.00	13.46	84.81
	4/23/09		NP	12.79	0.00	12.79	85.48
	5/26/09		NP	12.73	0.00	12.73	85.54
	6/11/09		NP	12.66	0.00	12.66	85.61
	6/26/09		NP	12.09	0.00	12.09	86.18
	7/14/09		NP	NA	NA	NA	NA
MW-10	3/31/03	97.08	NP	11.00	0.00	11.00	86.08
	6/12/03		NP	NA	0.00	NA	NA
	9/18/03		NP	11.60	0.00	11.60	85.48
	12/2/03		NP	11.65	0.00	11.65	85.43
	3/16/04		NP	11.20	0.00	11.20	85.88
	7/7/04		NP	11.60	0.00	11.60	85.48
	9/29/04		NP	11.35	0.00	11.35	85.73
	6/27/05		NP	11.56	0.00	11.56	85.52
	9/19/05		NP	12.26	0.00	12.26	84.82
	12/15/05		NP	11.21	0.00	11.21	85.87
	3/28/06		NA	NA	NA	NA	NA
	6/15/06		NP	10.71	0.00	10.71	86.37
	9/26/06		NP	11.43	0.00	11.43	85.65
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	11.11	0.00	11.11	85.97
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NP	11.41	0.00	11.41	85.67
	5/2/08		NP	11.39	0.00	11.39	85.69
	6/23/08		NP	11.50	0.00	11.50	85.58
	10/31/08		N	11.81	0.00	11.81	85.27
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	3/24/09		NA	NA	NA	NA	NA
	4/23/09		NA	NA	NA	NA	NA
	5/26/09		NS	NS	NS	NS	NS
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NA	NA	NA	NA	NA
	7/14/09		NA	10.74	0.00	10.74	86.34

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MW-11	12/15/05	NSD	NP	15.35	0.00	15.35	NSD
	3/28/06	NSD	NP	15.40	0.00	15.40	NSD
	6/15/06	103.47	NP	14.90	0.00	14.90	88.57
	9/26/06		NP	15.41	0.00	15.41	88.06
	12/11/06		NP	15.22	0.00	15.22	88.25
	3/13/07		NP	15.19	0.00	15.19	88.28
	6/15/07		NP	15.56	0.00	15.56	87.91
	10/1/07		NP	16.56	0.00	16.56	86.91
	12/26/07		NP	15.48	0.00	15.48	87.99
	5/2/08		NP	16.88	0.00	16.88	86.59
	6/23/08		NP	15.97	0.00	15.97	87.50
	10/31/08		NP	16.40	0.00	16.40	87.07
	1/28/09		NP	15.96	0.00	15.96	87.51
	2/20/09		NP	15.90	0.00	15.90	87.57
	3/24/09		NP	16.08	0.00	16.08	87.39
	4/23/09		NP	15.15	0.00	15.15	88.32
	5/26/09		NP	15.26	0.00	15.26	88.21
	6/11/09		NP	15.17	0.00	15.17	88.30
	6/26/09		NP	14.80	0.00	14.80	88.67
	7/14/09		NP	15.16	0.00	15.16	88.31
MW-12	12/15/05	NSD	NP	13.84	0.00	13.84	NSD
	3/28/06	NSD	NP	14.00	0.00	14.00	NSD
	6/15/06	101.88	NP	13.12	0.00	13.12	88.76
	9/26/06		NP	13.78	0.00	13.78	88.10
	12/11/06		NP	13.61	0.00	13.61	88.27
	3/13/07		NP	13.65	0.00	13.65	88.23
	6/15/07		NP	13.78	0.00	13.78	88.10
	10/1/07		NP	14.67	0.00	14.67	87.21
	12/26/07		NP	14.01	0.00	14.01	87.87
	5/2/08		NP	14.21	0.00	14.21	87.67
	6/23/08		NP	14.26	0.00	14.26	87.62
	10/31/08		NP	14.62	0.00	14.62	87.26
	1/28/09		NP	14.18	0.00	14.18	87.70
	2/20/09		NP	14.10	0.00	14.10	87.78
	3/24/09		NP	14.53	0.00	14.53	87.35
	4/23/09		NP	13.77	0.00	13.77	88.11
	5/26/09		NP	13.77	0.00	13.77	88.11
	6/11/09		NP	13.68	0.00	13.68	88.20
	6/26/09		NP	13.12	0.00	13.12	88.76
	7/14/09		NP	13.40	0.00	13.40	88.48
MW-13	12/15/05	NSD	NP	11.19	0.00	11.19	NSD
	3/28/06	NSD	NP	11.46	0.00	11.46	NSD
	6/15/06	99.47	NP	10.73	0.00	10.73	88.74
	9/26/06		NP	11.43	0.00	11.43	88.04
	12/11/06		NP	11.13	0.00	11.13	88.34
	3/13/07		NP	11.14	0.00	11.14	88.33
	6/15/07		NP	11.07	0.00	11.07	88.40
	10/1/07		NA	12.00	0.00	12.00	87.47
	12/26/07		NA	11.29	0.00	11.29	88.18
	5/2/08		NA	11.33	0.00	11.33	88.14
	6/23/08		NP	11.45	0.00	11.45	88.02
	10/31/08		NP	11.80	0.00	11.80	87.67
	1/28/09		NP	10.74	0.00	10.74	88.73
	2/20/09		NP	14.50	0.00	14.50	84.97
	3/24/09		NP	11.75	0.00	11.75	87.72
	5/26/09		NP	11.12	0.00	11.12	88.35
	6/11/09		NP	10.80	0.00	10.80	88.67
	6/26/09		NP	10.41	0.00	10.41	89.06
	7/14/09		NP	10.80	0.00	10.80	88.67
MW-14	12/15/05	NSD	NP	10.47	0.00	10.47	NSD
	3/28/06	NSD	NP	10.67	0.00	10.67	NSD
	6/15/06	100.26	NP	9.70	0.00	9.70	90.56
	9/26/06		NP	10.79	0.00	10.79	89.47
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.18	0.00	10.18	90.08
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.43	0.00	10.43	89.83
	6/23/08		NP	11.88	0.00	11.88	88.38
	10/31/08		NP	11.18	0.00	11.18	89.08
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	5/26/09		NA	NA	NA	NA	NA
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NA	NA	NA	NA	NA
	7/14/09		NP	10.08	0.00	10.08	90.18
MW-15	12/15/05	NSD	NP	10.83	0.00	10.83	NSD
	3/28/06	NSD	NP	10.94	0.00	10.94	NSD
	6/15/06	100.26	NP	10.02	0.00	10.02	90.24
	9/26/06		NP	11.02	0.00	11.02	89.24
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.48	0.00	10.48	89.78
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.72	0.00	10.72	89.54
	6/23/08		NP	11.15	0.00	11.15	89.11
	10/31/08		NP	11.51	0.00	11.51	88.75
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	5/26/09		NA	NA	NA	NA	NA
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NP	9.80	0.00	9.80	90.46
	7/14/09		NP	10.35	0.00	10.35	89.91
MW-16	12/15/05	NSD	NP	10.22	0.00	10.22	NSD
	3/28/06	NSD	NP	10.39	0.00	10.39	NSD
	6/15/06	100.45	NP	9.71	0.00	9.71	90.74
	9/26/06		NP	10.64	0.00	10.64	89.81
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	9.95	0.00	9.95	90.50
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.26	0.00	10.26	90.19
	6/23/08		NP	10.75	0.00	10.75	89.70
	10/31/08		NP	11.11	0.00	11.11	89.34
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	5/26/09		NA	NA	NA	NA	NA
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NP	9.55	0.00	9.55	90.90
	7/14/09		NP	10.00	0.00	10.00	90.45

NA - Well Not Accessible
NP - No Free Phase Product Detected
NSD - No Survey Data Available

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-1	3/31/03	**25**	<MDL	<MDL	<MDL	25	**30.5**	
	6/12/03	**19.2**	1.2	4.98	**8.48**	33.86	5.38	
	9/18/03	**25.2**	<MDL	<MDL	0.93	26.13	9.99	
	12/2/03	**51**	4.58	**8.8**	**23.34**	87.72	7.5	
	3/16/04	**11**	<MDL	<MDL	<MDL	11	7.99	
	7/7/04	**23.8**	<MDL	<MDL	0.69	24.49	**171**	
	9/29/04	**56**	<MDL	<MDL	0.84	56.84	3.88	
	6/27/05	**8.28**	<MDL	<MDL	<MDL	8.28	3.76	
	9/19/05	**4.13**	<MDL	<MDL	0.7	4.83	4.56	
	12/15/05	**5.57**	<MDL	<MDL	<MDL	5.57	4.03	
	3/28/06	**1.39**	<MDL	<MDL	<MDL	<MDL	5.57	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	2.84	
	9/26/06	**11.9**	0.67	<MDL	1.7	14.27	4.87	
	12/11/06	**1.07**	<MDL	<MDL	<MDL	1.07	3.27	
	3/13/07	**1**	<MDL	<MDL	1.7	2.7	1.3	
	6/15/07	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL	
	10/1/07	**5.7**	2	0.36	4	12.06	3	
	12/26/07	**31.7**	<MDL	<MDL	4.6	36.3	2.5	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	2.8	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	2.9	
	10/31/08	**3.8**	<MDL	<MDL	2.8	6.6	2.9	
	4/22/09	**0.99**	<MDL	<MDL	<MDL	0.99	1	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	2.1	
MW-2	3/31/03	NSP	NSP	NSP	NSP	NSP	NSP	
	6/12/03	**711**	**713**	**1740**	**4141**	7305	**100**	
	9/18/03	NSP	NSP	NSP	NSP	NSP	NSP	
	12/2/03	**1350**	**728**	**1450**	**3652**	7180	**279**	
	3/16/04	**1410**	**743**	**2100**	**5944**	10197	**286**	
	7/7/04	**955**	**478**	**1960**	**4502**	7895	**453**	
	9/29/04	**1260**	**1080**	**2160**	**5139**	9639	**529**	
	6/27/05	**1060**	**644**	**1980**	**4317**	8001	**163**	
	9/19/05	NSP	NSP	NSP	NSP	NSP	NSP	
	12/15/05	**1360**	**833**	**1820**	**5066**	9079	**123**	
	3/28/06	**701**	**316**	**1760**	**4211**	6988	**67.2**	
	6/15/06	**714**	**124**	**1770**	**2942**	5550	**103**	
	9/26/06	**586**	**217**	**967**	**1976**	3746	**85**	
	12./11/06	**911**	**541**	**1790**	**3872**	7114	**58.9**	
	3/13/07	**497**	**144**	**1190**	**2230**	4061	**28.1**	
	6/15/07	**383**	**151**	**1680**	**2320**	4534	<MDL	
	10/1/07	**448**	**168**	**1250**	**1800**	3050	**49.6**	
	12/26/07	**306**	**143**	**728**	**1240**	2417	9.1	
	5/2/28	**453**	**89.3**	**1310**	**1150**	3002.3	**12.3**	<MDL
	6/23/08	NA	NA	NA	NA	NA	NA	
	10/31/08	**340**	**84.5**	**874**	**1090**	2388.5	**16.3**	
	4/22/09	**296**	**216**	**1420**	**1860**	3792	7.6	
	7/16/09	**308**	**163**	**1220**	**1600**	3291	**34.1**	
MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**17.5**	
	6/12/03	**1.43**	<MDL	<MDL	<MDL	1.43	**128**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**44.4**	
	12/2/03	<MDL	<MDL	<MDL	<MDL	<MDL	**32.5**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**2010**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	**3650**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**1190**	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	**24**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	**57.1**	
	12/15/05	0.65	<MDL	<MDL	<MDL	0.65	**12.4**	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	6.96	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	6.2	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	3.87	
	12/11/06	**1.04**	<MDL	<MDL	<MDL	1.04	5.54	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	4.3	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	2.8	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	12/26/07	**1.3**	<MDL	<MDL	<MDL	1.3	2	
	5/2/28	**8.6**	<MDL	<MDL	<MDL	8.6	2.7	
	6/23/08	**3.7**	<MDL	<MDL	<MDL	3.7	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	1.9	
	4/22/09	**2.2**	<MDL	<MDL	<MDL	2.2	0.61	
	7/16/09	<MDL	<MDL	1.4	1.1	2.5	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**11.2**	
	6/12/03	**1.09**	<MDL	<MDL	<MDL	1.09	**12.4**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**28.8**	
	12/2/03	**1.17**	<MDL	<MDL	<MDL	1.17	**19.1**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**15.3**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	9.27	
	9/29/04	NA	NA	NA	NA	NA	NA	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	6.46	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	4.21	
	12/15/05	0.56	<MDL	<MDL	<MDL	0.56	3.86	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	3.52	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	2.55	
	12/11/06	DRY	DRY	DRY	DRY	DRY	DRY	
	3/13/07	<MDL	<MDL	<MDL	2.1	2.1	1.5	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	0.28	<MDL	<MDL	<MDL	0.28	1.3	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	1.2	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	1.6	
	4/22/09	<MDL	<MDL	<MDL	<MDL	<MDL	0.76	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	1.3	
MW-6	3/31/03	**365**	2.41	**16.5**	**17.46**	401.37	**111**	
	6/12/03	**27.8**	<MDL	**6.14**	3.08	37.02	5.59	
	9/18/03	**397**	<MDL	**19.9**	**18.3**	435.2	**128**	
	12/2/03	**91**	<MDL	**9.82**	**8.29**	109.11	**27.4**	
	3/16/04	**29.2**	<MDL	3.06	2.85	35.11	**40.5**	
	7/7/04	**13.1**	<MDL	<MDL	<MDL	13.1	**137**	
	9/29/04	**59.2**	1.04	**8.2**	**5.93**	74.37	**42.8**	
	6/27/05	**65.3**	0.65	1.59	3.1	70.64	**86.5**	
	9/19/05	**57.6**	<MDL	3.4	3.75	64.75	**90.4**	
	12/15/05	**53.5**	0.89	1.8	1.77	57.96	**44.3**	
	3/28/06	**37.4**	<MDL	<MDL	<MDL	<MDL	**34.1**	
	6/15/06	**118**	1.7	**6.17**	**17.1**	142.97	**92.4**	
	9/26/06	**51.2**	0.83	3.02	**12.3**	67.35	**35.7**	
	12/11/06	**43.2**	<MDL	<MDL	<MDL	43.2	**20.1**	
	3/13/07	**20.3**	<MDL	<MDL	1.5	21.8	**12.3**	
	6/15/07	**28.7**	<MDL	<MDL	<MDL	28.7	**12.5**	
	10/1/07	DRY	DRY	DRY	DRY	DRY	DRY	
	12/26/07	**49.3**	**1.5**	<MDL	<MDL	50.8	**14.7**	
	5/2/28	**40**	<MDL	<MDL	<MDL	40	**10.2**	
	6/23/08	**30**	<MDL	1.1	**5.3**	36.4	**9.7**	
	10/31/08	**37.3**	1.3	<MDL	2.7	41.3	**11.1**	
	4/22/09	**25.4**	0.8	0.57	0.68	27.45	**6.6**	
	7/16/09	**34.1**	2	**14.4**	**25.5**	76	**5.3**	
MW-7	3/31/03	**45.3**	<MDL	3.67	**6.06**	55.03	**27.7**	
	6/12/03	**289**	**6.6**	**16.6**	**188.6**	500.8	**91.9**	
	9/18/03	**394**	4.38	**5.95**	**17.11**	421.44	**143**	
	12/2/03	**244**	3.62	**13.5**	**17.25**	278.37	**76.8**	
	3/16/04	**420**	4.27	**29.7**	**9.06**	463.03	**107**	
	7/7/04	**363**	4.42	**30.6**	**16.68**	414.72	**73.3**	
	9/29/04	**353**	**5.01**	**20.2**	**11.41**	389.62	**74.4**	
	6/27/05	**364**	3.57	**9.5**	2.95	380.02	**44.3**	
	9/19/05	**345**	**6.3**	**12**	**22.49**	385.79	**47.2**	
	12/15/05	**440**	**7**	4.28	**6.81**	458.09	**46.6**	
	3/28/06	**338**	3.09	<MDL	<MDL	341.09	**36.2**	
	6/15/06	**275**	4.76	**5.18**	**13.99**	298.93	**25.4**	
	9/26/06	**194**	3.44	1.68	**20.97**	220.09	**17.7**	
	12/11/06	**396**	**5.44**	4.17	**4.99**	410.6	**19.9**	
	3/13/07	**329**	**4.5**	3.4	**4.3**	341.2	**18**	
	6/15/07	**330**	**4.1**	**8.8**	**2.3**	345.2	**20.4**	
	10/1/07	**335**	**6.5**	4	**4.7**	350.2	**16.7**	
	12/26/07	**290**	**4**	2.1	**3.3**	299.4	**17.5**	
	5/2/28	**218**	**3.1**	**5.5**	**3.7**	230.3	**12.9**	
	6/23/08	**217**	**2.5**	1.1	**2.6**	223.2	**11.3**	
	10/31/08	**278**	**8.2**	**8.1**	**25.7**	320	**16.9**	
	4/22/09	**197**	**4.3**	1.8	**2.9**	206	9.6	
	7/16/09	**224**	**3.6**	**7.7**	**1.9**	237.2	**18**	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

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DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-8	3/31/03	**131**	4.12	**53.6**	**79.7**	268.42	**35.2**	
	6/12/03	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/18/03	**92.2**	3.64	**22.1**	**32.94**	150.88	**41.8**	
	12/2/03	**28.4**	0.79	**5.82**	**8.65**	43.66	**10.4**	
	3/16/04	**2.74**	<MDL	0.58	<MDL	3.32	5.19	
	7/7/04	**2.57**	<MDL	<MDL	<MDL	2.57	3.82	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**19.6**	
	6/27/05	**12.8**	<MDL	0.36	2.74	15.9	5.37	
	9/19/05	**31.5**	0.73	2.48	1.17	35.88	**14.5**	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2.05	
	3/28/06	**1.11**	<MDL	<MDL	<MDL	1.11	3.21	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	0.84	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	5	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	3.9	
	5/2/28	**2.1**	<MDL	<MDL	<MDL	**2.1**	1.7	<MDL
	6/23/08	**21.3**	<MDL	<MDL	<MDL	**21.3**	5.2	
	10/31/08	**34.4**	<MDL	<MDL	**1.5**	35.9	**34.1**	
	4/22/09	**1.8**	<MDL	<MDL	<MDL	1.8	4.8	
	7/16/09	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL	
MW-9	3/31/03	**7770**	<MDL	**291**	<MDL	8061	**2700**	
	6/12/03	**2680**	**19.1**	**107**	**227**	3033.1	**1160**	
	9/18/03	**9660**	**40.8**	**163**	**229.3**	10093.1	**2870**	
	12/2/03	**8790**	<MDL	**114**	**89.3**	8993.3	**2750**	
	3/16/04	**2.33**	<MDL	<MDL	<MDL	2.33	**33.7**	
	7/7/04	**6730**	**29.8**	**98.8**	**43.8**	6902.4	**1850**	
	9/29/04	**7930**	**31.5**	**148**	**52.1**	8161.6	**2860**	
	6/27/05	**7300**	**37.3**	**118**	**64.7**	7520	**1610**	
	9/19/05	**8720**	**46.2**	**78**	**96.1**	8940.3	**2400**	
	12/15/05	**9630**	**50.7**	**110**	**62**	9852.7	**2010**	
	3/28/06	**7740**	<MDL	**114**	**107**	7961	**1170**	
	6/15/06	**4190**	**23.8**	**67.7**	<MDL	4281.5	**949**	
	9/26/06	**5840**	**28.2**	**63.9**	**75.2**	6007.3	**1130**	
	12/11/06	**6430**	<MDL	**133**	**109**	6672	**1410**	
	3/13/07	**6770**	**37.6**	**52.1**	**26.1**	6885.8	**938**	
	6/15/07	**6090**	**32.4**	**48.8**	**46.7**	6217.9	**1350**	
	10/1/07	**7720**	**43.1**	**47.3**	**93**	7903.4	**1380**	
	12/26/07	**7520**	**44.9**	**51.6**	**81.4**	7697.9	**1210**	
	5/2/28	**6070**	**48.9**	**58.6**	**86.1**	6263.6	**415**	<MDL
	6/23/08	**6960**	**39.2**	**44.9**	**55.8**	7099.9	**497**	
	10/31/08	**6690**	**33.5**	**49.1**	**66.9**	6839.5	**1060**	
	4/22/09	**5460**	**32.5**	**52.2**	**39.8**	5584.5	**314**	
	7/16/09	**3300**	**19.2**	**63**	**18.5**	3400.7	**531**	
MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**22.7**	
	6/12/03	**NS**	**NS**	**NS**	**NS**	NS	**NS**	
	9/18/03	**2.96**	<MDL	<MDL	<MDL	2.96	**38.6**	
	12/2/03	**7.99**	<MDL	<MDL	<MDL	7.99	**50.9**	
	3/16/04	**10200**	**62**	**178**	**161.6**	10601.6	**2620**	
	7/7/04	**2.78**	<MDL	<MDL	<MDL	2.78	**80.7**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**320**	
	6/27/05	0.63	<MDL	<MDL	<MDL	0.63	**10.6**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	6.41	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	1.5	
	3/28/06	NA	NA	NA	NA	NA	NA	
	6/15/06	**4.46**	<MDL	<MDL	<MDL	4.46	7.14	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	1.09	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	**1.6**	<MDL	<MDL	<MDL	1.6	1.2	
	5/2/28	**2.1**	<MDL	<MDL	<MDL	2.1	<MDL	
	6/23/08	0.63	<MDL	<MDL	<MDL	0.63	<MDL	
	10/31/08	**0.79**	<MDL	<MDL	<MDL	0.79	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	**5**	<MDL	5	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

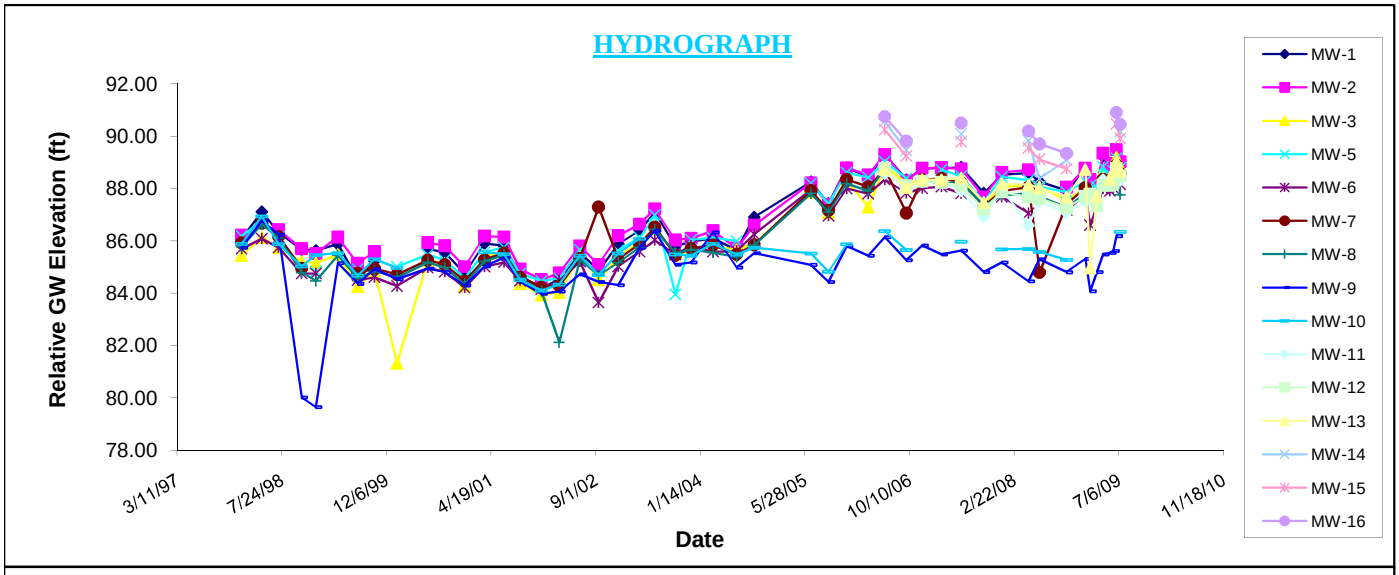
Summary of Quarterly Groundwater Laboratory Analysis

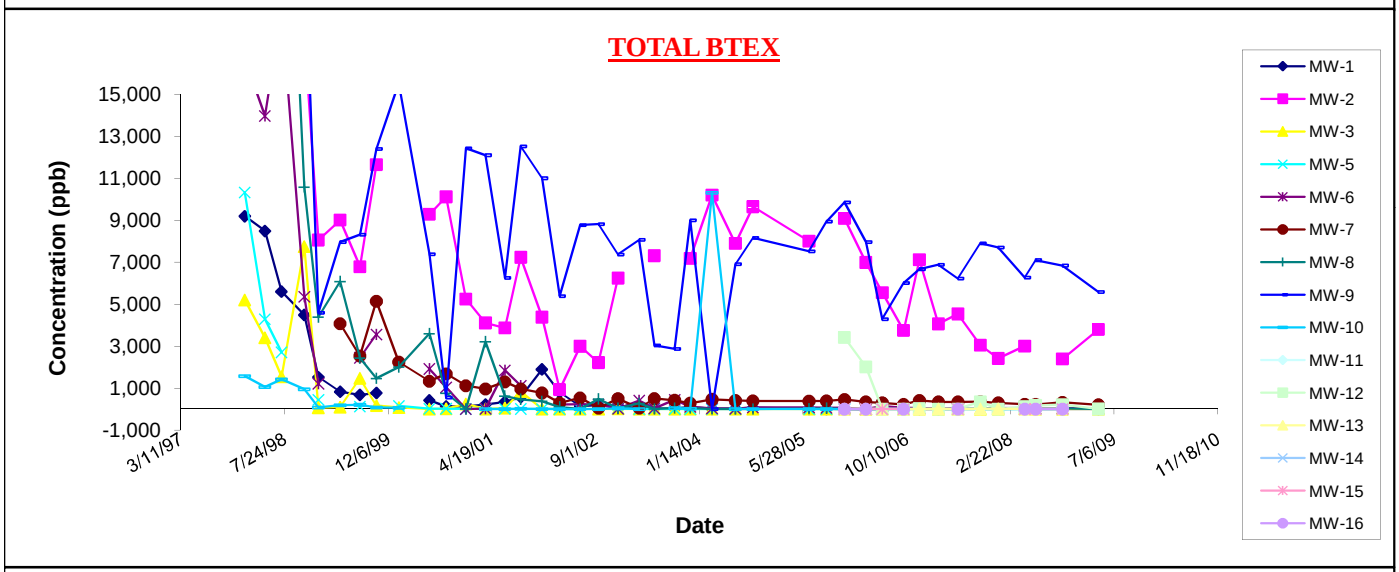
Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	0.35	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	4/22/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-12	12/15/05	**118**	**59.2**	**502**	**2734**	3407.2	**18.4**	
	3/28/06	**96.7**	<MDL	**5.3**	**1910**	2012	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	**2.55**	<MDL	**5.73**	**12.91**	21.19	1	
	3/13/07	0.64	<MDL	<MDL	<MDL	0.64	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	**109**	**6.5**	**163**	**69.8**	348.3	**21.3**	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	**21.3**	**3.7**	**50.8**	**35.4**	111.2	**4.7**	
	6/23/08	**45.4**	**2.9**	**99.3**	**24.5**	172.1	**6.4**	
	10/31/08	**100**	**2.5**	**101**	**4.7**	208.2	**25.7**	
	4/22/09	**1.6**	<MDL	0.5	<MDL	2.1	0.59	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-13	12/15/05	**6.36**	0.41	<MDL	0.74	7.51	0.86	
	3/28/06	**7.07**	<MDL	<MDL	1.88	8.95	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	2.65	
	9/26/06	**3.69**	<MDL	<MDL	<MDL	3.69	1.61	
	12/11/06	**3.62**	<MDL	<MDL	<MDL	3.62	2.14	
	3/13/07	**6.7**	<MDL	<MDL	2.4	9.1	2.5	
	6/15/07	**1.5**	<MDL	<MDL	<MDL	1.5	<MDL	
	10/1/07	**5.2**	0.73	1.1	2.8	9.83	0.94	
	12/26/07	**10.9**	<MDL	<MDL	2.9	13.8	1	
	5/2/28	**3.3**	<MDL	<MDL	<MDL	3.3	<MDL	
	6/23/08	**7.2**	<MDL	<MDL	<MDL	7.2	<MDL	
	10/31/08	**12.3**	<MDL	<MDL	<MDL	**12.3**	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	**11**	<MDL	**13.1**	2.2	26.3	<MDL	
MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2.84	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	5.64	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	**1.3**	
	10/31/08	NA	NA	NA	NA	NA	NA	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

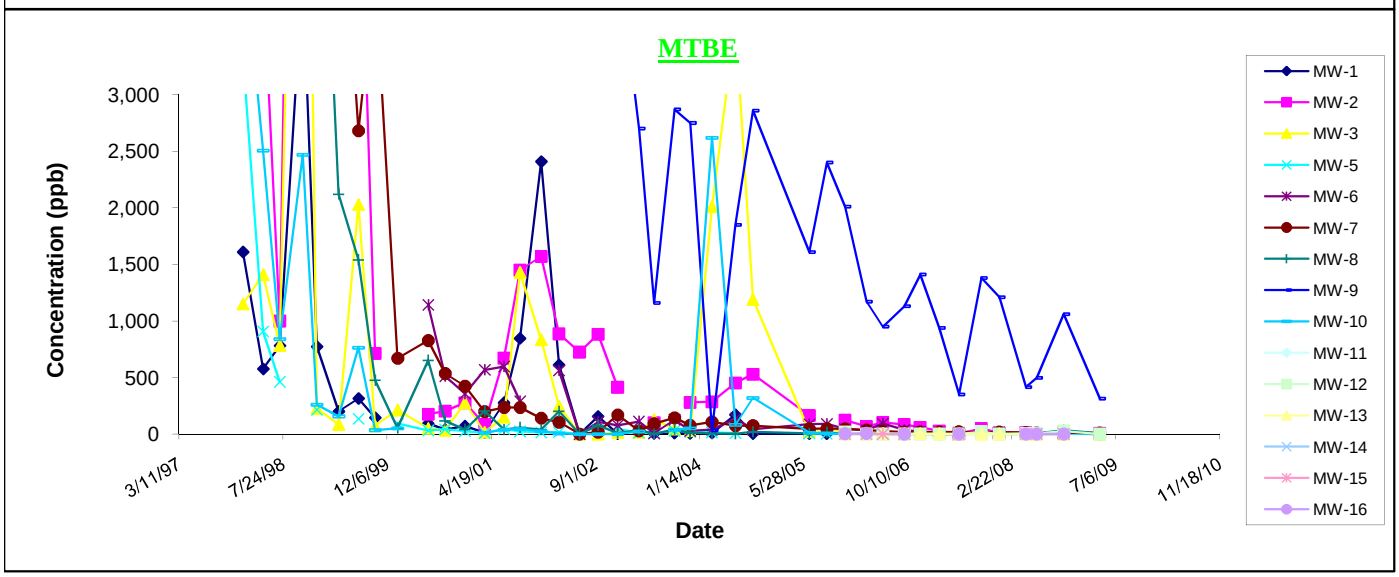
<MDL - Parameter Below Method Detection Limit
NA - Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product

GETTY #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Quarterly Monitoring Report







New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

10/13/09

Technical Report for

Getty Properties Corporation

TYREENY:#58014 5510 Broadway Bronx NY

2090042

Accutest Job Number: M84445

Sampling Date: 07/16/09

Report to:

Tyree Organization

jkotch@tyreeorg.com

ATTN: Jen Kotch

Total number of pages in report: **23**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Tom Lunder 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) NC (653) IL (200018) NAVY USACE

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Accutest LabLink@96857 08:25 13-Oct-2009

Sample Summary

Getty Properties Corporation

Job No: M84445

TYREENY:#58014 5510 Broadway Bronx NY
Project No: 2090042

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M84445-1	07/16/09	12:10	GB	07/21/09	AQ	Ground Water	MW-1
M84445-2	07/16/09	12:20	GB	07/21/09	AQ	Ground Water	MW-2
M84445-3	07/16/09	12:30	GB	07/21/09	AQ	Ground Water	MW-3
M84445-4	07/16/09	12:40	GB	07/21/09	AQ	Ground Water	MW-5
M84445-5	07/16/09	12:50	GB	07/21/09	AQ	Ground Water	MW-6
M84445-6	07/16/09	13:00	GB	07/21/09	AQ	Ground Water	MW-7
M84445-7	07/16/09	13:10	GB	07/21/09	AQ	Ground Water	MW-8
M84445-8	07/16/09	13:20	GB	07/21/09	AQ	Ground Water	MW-9
M84445-9	07/16/09	13:30	GB	07/21/09	AQ	Ground Water	MW-10
M84445-10	07/16/09	13:40	GB	07/21/09	AQ	Ground Water	MW-11
M84445-11	07/16/09	13:50	GB	07/21/09	AQ	Ground Water	MW-12
M84445-12	07/16/09	14:00	GB	07/21/09	AQ	Ground Water	MW-13
M84445-13	07/16/09	14:10	GB	07/21/09	AQ	Ground Water	MW-14

Sample Summary
(continued)

Getty Properties Corporation

Job No: M84445

TYREENY:#58014 5510 Broadway Bronx NY
Project No: 2090042

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M84445-14	07/16/09	14:20	GB	07/21/09	AQ	Ground Water	MW-15
M84445-15	07/16/09	14:30	GB	07/21/09	AQ	Ground Water	MW-16

Sample Results

Report of Analysis

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	M84445-1	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7701.D	1	07/22/09	AP	n/a	n/a	GBH384
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	112%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	M84445-2	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7723.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2	BD29801.D	10	07/28/09	AF	n/a	n/a	GBD1415

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	308	1.0	ug/l	
108-88-3	Toluene	163	1.0	ug/l	
100-41-4	Ethylbenzene	1220 [a]	10	ug/l	
1330-20-7	Xylenes (total)	1600	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	34.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	129%	96%	70-130%
	2,3,4-Trifluorotoluene	107%	94%	70-130%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	M84445-3	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7724.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	1.4	1.0	ug/l	
1330-20-7	Xylenes (total)	1.1	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	108%		70-130%
	2,3,4-Trifluorotoluene	107%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M84445-4	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7725.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	105%		70-130%
	2,3,4-Trifluorotoluene	106%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M84445-5	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BH7726.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	34.1	1.0	ug/l	
108-88-3	Toluene	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	14.4	1.0	ug/l	
1330-20-7	Xylenes (total)	25.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	113%		70-130%
	2,3,4-Trifluorotoluene	106%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	M84445-6	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7728.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	224	1.0	ug/l	
108-88-3	Toluene	3.6	1.0	ug/l	
100-41-4	Ethylbenzene	7.7	1.0	ug/l	
1330-20-7	Xylenes (total)	1.9	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	18.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	114%		70-130%
	2,3,4-Trifluorotoluene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	M84445-7	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7729.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	1.1	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	104%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	M84445-8	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7730.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2	BD29802.D	20	07/28/09	AF	n/a	n/a	GBD1415

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	3300 [a]	20	ug/l	
108-88-3	Toluene	19.2	1.0	ug/l	
100-41-4	Ethylbenzene	63.0	1.0	ug/l	
1330-20-7	Xylenes (total)	18.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	531	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	125%	96%	70-130%
	2,3,4-Trifluorotoluene	111%	97%	70-130%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M84445-9	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7731.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	5.0	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	109%		70-130%
	2,3,4-Trifluorotoluene	107%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M84445-10	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7732.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	105%		70-130%
	2,3,4-Trifluorotoluene	104%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M84445-11	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7733.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	104%		70-130%
	2,3,4-Trifluorotoluene	104%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M84445-12	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7734.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	11.0	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	13.1	1.0	ug/l	
1330-20-7	Xylenes (total)	2.2	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	114%		70-130%
	2,3,4-Trifluorotoluene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M84445-13	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7735.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	101%		70-130%
	2,3,4-Trifluorotoluene	103%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M84445-14	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7736.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	103%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@96857 08:25 13-Oct-2009

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	M84445-15	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7737.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	104%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (NY)
- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M84445
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tyree
ADDRESS: 1 Northway Lane
CITY: Latham STATE: NY ZIP: 12110
SEND REPORT TO: Jen Kotch
PHONE #: (518) 786-3200 ext 202

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.: 2090042
FAX #:

ANALYTICAL INFORMATION: BTEX + MTBE

MATRIX CODES: DW - DRINKING WATER; GW - GROUND WATER; WW - WASTE WATER; SO - SOIL; SL - SLUDGE; OI - OIL; LIQ - OTHER LIQUID; SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX + MTBE	LAB USE ONLY
-1	MW-1	7/16/09	1210	GB	GW	3	3					X	
-2	MW-2	7/16/09	1220	GB	GW	3	3					X	
-3	MW-3	7/16/09	1230	GB	GW	3	3					X	
-4	MW-5	7/16/09	1240	GB	GW	3	3					X	
-5	MW-6	7/16/09	1250	GB	GW	3	3					X	
-6	MW-7	7/16/09	1300	GB	GW	3	3					X	
-7	MW-8	7/16/09	1310	GB	GW	3	3					X	
-8	MW-9	7/16/09	1320	GB	GW	3	3					X	
-9	MW-10	7/16/09	1330	GB	GW	3	3					X	
-10	MW-11	7/16/09	1340	GB	GW	3	3					X	
-11	MW-12	7/16/09	1350	GB	GW	3	3					X	

DATA TURNAROUND INFORMATION

- [x] 14 DAYS STANDARD
- [ ] 7 DAYS *RUSH*
- [ ] 48 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

154

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	1600 7/16/09	1. FEDX	2. FEDX	1400 7-21-09	2. Wayne Mo
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE [ ]	ON ICE [✓] TEMPERATURE 6.1 °C

M84445: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M844445
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tyree
ADDRESS: 1 Northway Lane
CITY, STATE, ZIP: Latham NY 12110
SEND REPORT TO: Jen Kotch
PHONE #: (518)786-3200 ext 202

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.: 2090042
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX + MTBE	LAB USE ONLY
-12	MW-13	7/16/09	1400	GB	GW	3	3					X	
-13	MW-14	7/16/09	1410	GB	GW	3	3					X	
-14	MW-15	7/16/09	1420	GB	GW	3	3					X	
-15	MW-16	7/16/09	1430	GB	GW	3	3					X	

DATA TURNAROUND INFORMATION

- [x] 14 DAYS STANDARD — APPROVED BY:
- [ ] 7 DAYS *RUSH*
- [ ] 48 HOUR EMERGENCY
- [ ] OTHER

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	7/16/09 1600	1. FED X	2. FED X	7-21-09 1000	2. Wayne Mc
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE [ ]	ON ICE [x] TEMPERATURE 6.1° C

M84445: Chain of Custody
Page 2 of 2

QUARTERLY MONITORING REPORT

Site Address:	Getty S/S #58014 5510 Broadway Bronx, New York	**Regulatory Agency:** **Regulatory Contact:** **Case #:**	NYSDEC (Region II) Rui Jun Feng 93-11138
Prepared for:	Getty Properties Corp. 125 Jericho Tpke. Jericho, New York 11753	**Getty Contact:** **Delta Env. Contact:** **Tyree Contact:**	Kevin Shea Paul Lindell Jennifer Kotch

Report Date: September 2009

Spill Information:
Cause: Tank test failure - December 14, 1993
Source: Former USTs onsite

Current Site Status: Active gasoline retail/service station

Monitoring Period: July through October 2009, Third Quarter 2009

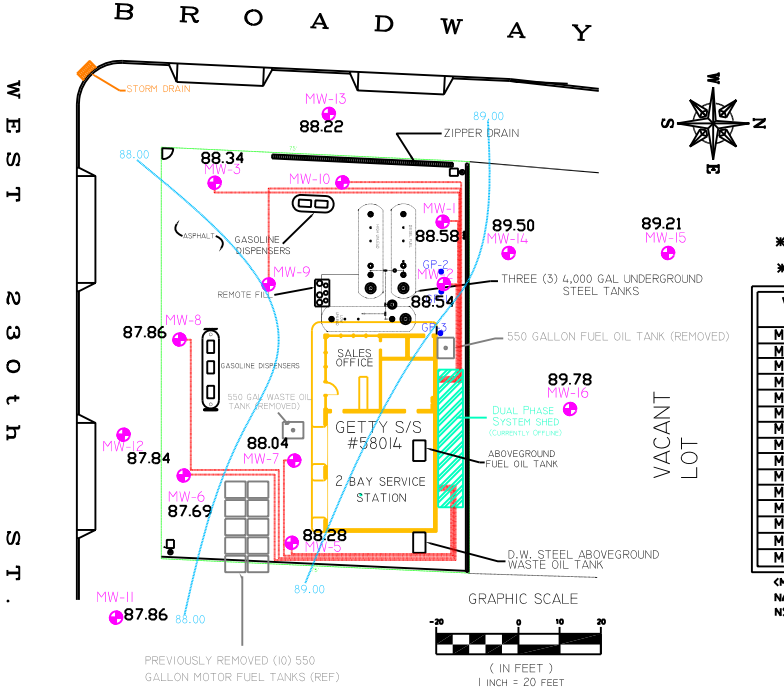
Well Information:
Number/type: 15 monitoring wells

Groundwater Monitoring:
Gauging Frequency: Monthly
Sampling Frequency: Quarterly
Wells containing LNAPL: None
LNAPL Thickness: N/A
Total BTEX: Non-detect to 3,400.7 (MW-9) ppb
MTBE: Non detect to 531 (MW-9) ppb
Groundwater Depth: 10.00 feet to 15.97 feet below grade
Groundwater Flow: South

Remedial Activities: Remedial strategy will be determined by divestment activities. Dual Phase High Vacuum Extration System – operated from.

Notes: Three 4,000-gallon gasoline USTs were removed from the site on July 22 through July 24, 2009. Soil delineation Subsurface Investigation Report is due February 2010.

TYREE ENVIRONMENTAL CORP
1 NORTHWAY LANE
LATHAM, NEW YORK 12110
(518) 786-3200



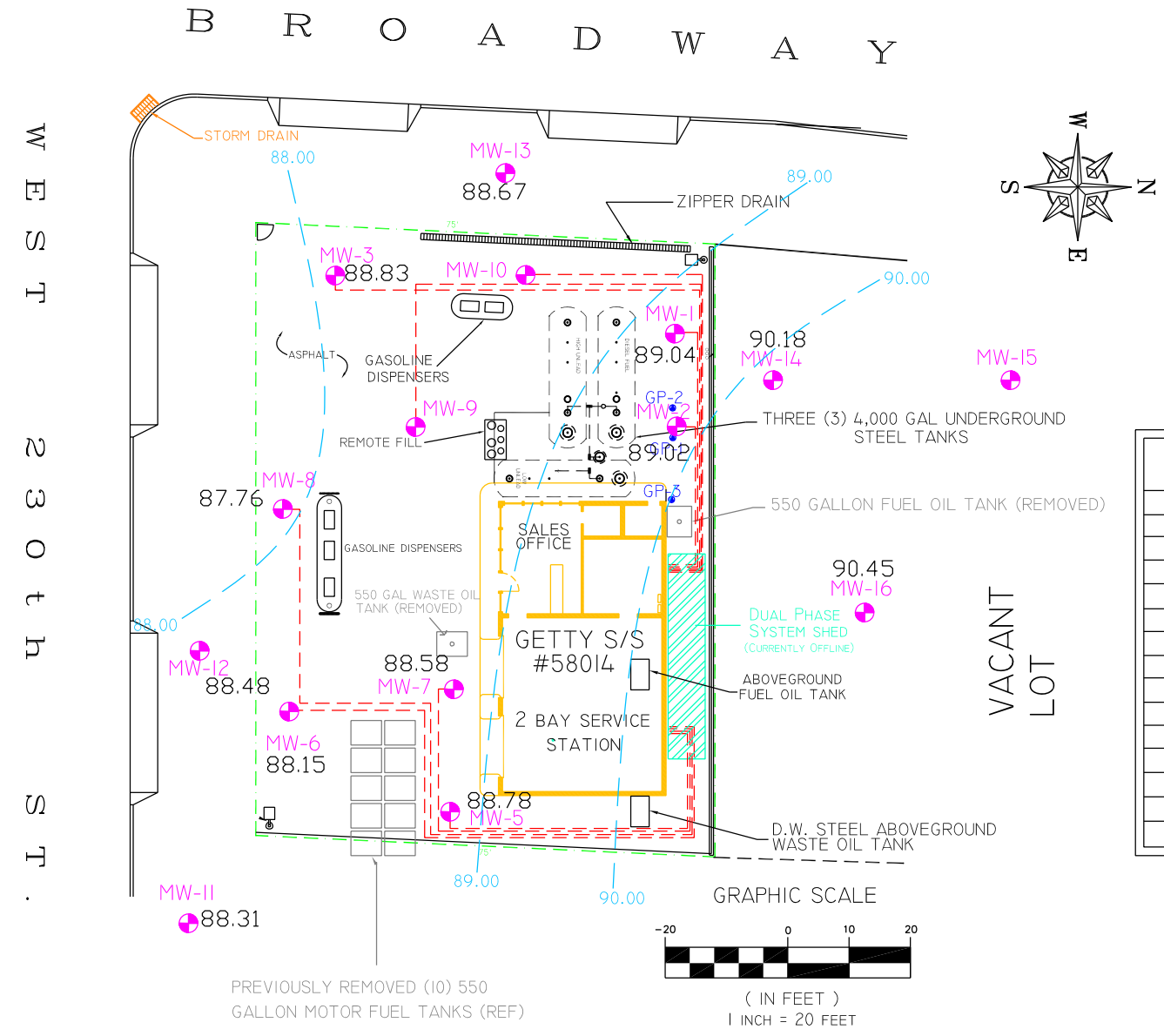
LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Gauging Collected on 9/30/09
Data Collected on 7/14/09

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	88.58	<MDL	2.1
MW-2	88.54	3,291	34.1
MW-3	88.34	2.5	<MDL
MW-5	88.28	<MDL	1.3
MW-6	87.69	76	5.3
MW-7	88.04	237.2	18
MW-8	87.96	1.1	<MDL
MW-9	NA	3400.7	531
MW-10	85.97	5	<MDL
MW-11	87.86	<MDL	<MDL
MW-12	87.84	<MDL	<MDL
MW-13	88.22	26.3	<MDL
MW-14	89.50	<MDL	<MDL
MW-15	89.21	<MDL	<MDL
MW-16	89.78	<MDL	<MDL

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected



LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Gauging Collected on 7/14/09

Data Collected on 7/14/09

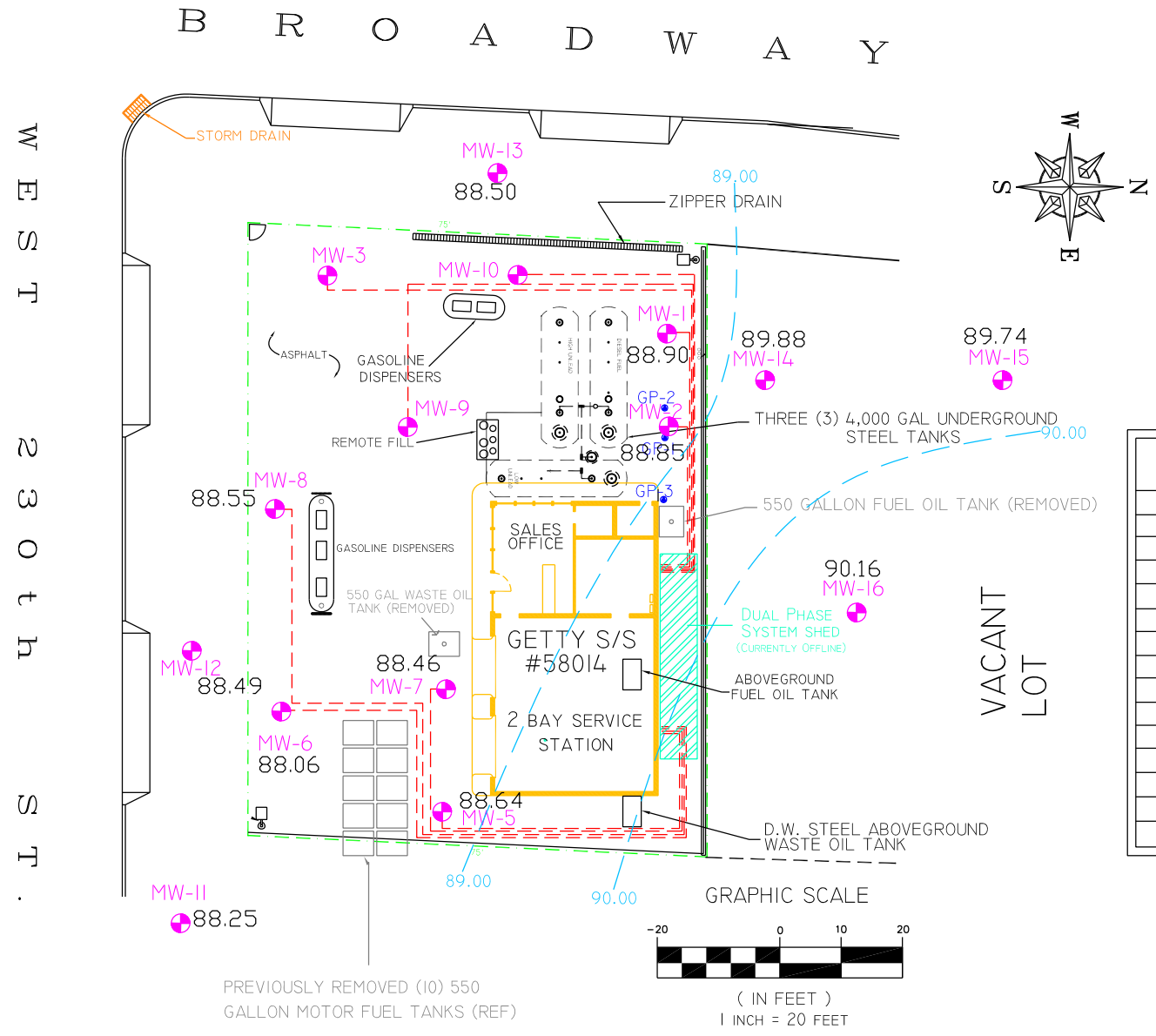
Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	89.04	<MDL	2.1
MW-2	89.02	3,291	34.1
MW-3	88.83	2.5	<MDL
MW-5	88.78	<MDL	1.3
MW-6	88.15	76	5.3
MW-7	88.58	237.2	18
MW-8	87.76	1.1	<MDL
MW-9	NA	3400.7	531
MW-10	86.34	5	<MDL
MW-11	88.31	<MDL	<MDL
MW-12	88.48	<MDL	<MDL
MW-13	88.67	26.3	<MDL
MW-14	90.18	<MDL	<MDL
MW-15	89.91	<MDL	<MDL
MW-16	90.45	<MDL	<MDL

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE: QUARTERLY MONITORING REPORT
SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03
SCALE: As Shown
PLATE: QMR



LEGEND

- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping

Gauging Collected on 8/20/09

Data Collected on 7/14/09

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	88.90	<MDL	2.1
MW-2	88.85	3,291	34.1
MW-3	NA	2.5	<MDL
MW-5	88.64	<MDL	1.3
MW-6	88.06	76	5.3
MW-7	88.46	237.2	18
MW-8	88.55	1.1	<MDL
MW-9	NA	3400.7	531
MW-10	86.25	5	<MDL
MW-11	88.25	<MDL	<MDL
MW-12	88.49	<MDL	<MDL
MW-13	88.50	26.3	<MDL
MW-14	89.88	<MDL	<MDL
MW-15	89.74	<MDL	<MDL
MW-16	90.16	<MDL	<MDL

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE: QUARTERLY MONITORING REPORT
SITE PLAN

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03

SCALE: As Shown
PLATE: QMR

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-1	3/31/03	99.94	NP	11.02	0.00	11.02	88.92
	6/12/03		NP	10.32	0.00	10.32	89.62
	9/18/03		NP	11.63	0.00	11.63	88.31
	12/2/03		NP	11.45	0.00	11.45	88.49
	3/16/04		NP	11.33	0.00	11.33	88.61
	7/7/04		NP	11.78	0.00	11.78	88.16
	9/29/04		NP	10.52	0.00	10.52	89.42
	6/27/05		NP	11.69	0.00	11.69	88.25
	9/19/05		NP	12.52	0.00	12.52	87.42
	12/15/05		NP	11.16	0.00	11.16	88.78
	3/28/06		NP	11.49	0.00	11.49	88.45
	6/15/06		NP	10.64	0.00	10.64	89.30
	9/26/06		NP	11.61	0.00	11.61	88.33
	12/11/06		NP	11.18	0.00	11.18	88.76
	3/13/07		NP	11.16	0.00	11.16	88.78
	6/15/07		NP	11.14	0.00	11.14	88.80
	10/1/07		NP	12.22	0.00	12.22	87.72
	12/26/07		NP	11.41	0.00	11.41	88.53
	5/2/08		NP	11.35	0.00	11.35	88.59
	6/23/08		NP	11.68	0.00	11.68	88.26
	10/31/08		NP	12.02	0.00	12.02	87.92
	1/28/09		NP	11.27	0.00	11.27	88.67
	2/20/09		NP	11.60	0.00	11.60	88.34
	3/24/09		NP	11.88	0.00	11.88	88.06
	4/23/09		NP	10.71	0.00	10.71	89.23
	5/26/09		NP	11.15	0.00	11.15	88.79
	6/11/09		NP	11.03	0.00	11.03	88.91
	6/26/09		NP	10.46	0.00	10.46	89.48
	7/14/09		NP	10.90	0.00	10.90	89.04
	8/20/09		NP	11.04	0.00	11.04	88.90
	9/30/09		NP	11.36	0.00	11.36	88.58
	10/23/09		NP	11.78	0.00	11.78	88.16
	11/21/09		NP	10.98	0.00	10.98	88.96
MW-2	3/31/03	100.23	11.36	11.38	0.02	11.37	88.86
	6/12/03		NP	10.78	0.00	10.78	89.45
	9/18/03		11.97	11.98	0.01	11.97	88.26
	12/2/03		NP	11.91	0.00	11.91	88.32
	3/16/04		NP	11.62	0.00	11.62	88.61
	7/7/04		NP	12.28	0.00	12.28	87.95
	9/29/04		NP	11.40	0.00	11.40	88.83
	6/27/05		NP	12.02	0.00	12.02	88.21
	9/19/05		12.85	12.86	0.01	12.85	87.38
	12/15/05		NP	11.45	0.00	11.45	88.78
	3/28/06		NP	11.72	0.00	11.72	88.51
	6/15/06		NP	10.93	0.00	10.93	89.30
	9/26/06		NP	11.94	0.00	11.94	88.29
	12/11/06		NP	11.46	0.00	11.46	88.77
	3/13/07		NP	11.44	0.00	11.44	88.79
	6/15/07		NP	11.48	0.00	11.48	88.75
	10/1/07		NP	12.56	0.00	12.56	87.67
	12/26/07		NP	11.62	0.00	11.62	88.61
	5/2/08		NP	11.52	0.00	11.52	88.71
	6/23/08		NA	NA	NA	NA	NA
	10/31/08		NP	12.18	0.00	12.18	88.05
	1/28/09		NP	11.46	0.00	11.46	88.77
	2/20/09		NP	11.90	0.00	11.90	88.33
	3/24/09		NP	12.16	0.00	12.16	88.07
	4/23/09		NP	10.88	0.00	10.88	89.35
	5/26/09		NP	11.48	0.00	11.48	88.75
	6/11/09		NP	11.27	0.00	11.27	88.96
	6/26/09		NP	10.75	0.00	10.75	89.48
	7/14/09		NP	11.21	0.00	11.21	89.02
	8/20/09		NP	11.38	0.00	11.38	88.85
	9/30/09		NP	11.69	0.00	11.69	88.54
	10/23/09		NP	12.13	0.00	12.13	88.10
MW-3	3/31/03	99.68	NP	11.25	0.00	11.25	88.43
	6/12/03		NP	10.79	0.00	10.79	88.89
	9/18/03		NP	11.74	0.00	11.74	87.94
	12/2/03		NP	11.50	0.00	11.50	88.18
	3/16/04		NP	11.45	0.00	11.45	88.23
	7/7/04		NP	11.57	0.00	11.57	88.11
	9/29/04		NP	11.34	0.00	11.34	88.34
	6/27/05		NP	11.82	0.00	11.82	87.86
	9/19/05		NP	12.61	0.00	12.61	87.07
	12/15/05		NP	11.39	0.00	11.39	88.29
	3/28/06		NP	11.70	0.00	11.70	87.98
	6/15/06		NP	10.81	0.00	10.81	88.87
	9/26/06		NP	11.48	0.00	11.48	88.20
	12/11/06		NP	11.35	0.00	11.35	88.33
	3/13/07		NP	11.35	0.00	11.35	88.33
	6/15/07		NP	11.35	0.00	11.35	88.33
	10/1/07		NP	12.30	0.00	12.30	87.38
	12/26/07		NP	11.60	0.00	11.60	88.08
	5/2/08		NP	11.56	0.00	11.56	88.12
	6/23/08		NP	11.62	0.00	11.62	88.06
	10/31/08		NB	12.13	0.00	12.13	87.55
	1/28/09		NP	11.64	0.00	11.64	88.04
	2/20/09		NP	11.80	0.00	11.80	87.88
	3/24/09		NP	12.14	0.00	12.14	87.54
	4/23/09		NP	11.04	0.00	11.04	88.64
	5/26/09		NP	NS	NS	NS	NS
	6/11/09		NP	11.08	0.00	11.08	88.60
	6/26/09		NP	10.49	0.00	10.49	89.19
	7/14/09		NP	10.85	0.00	10.85	88.83
	8/20/09		NA	NA	NA	NA	NA
	9/30/09		NP	11.34	0.00	11.34	88.34
	10/23/09		NP	11.74	0.00	11.74	87.94

NA - Well Not Accessible
NP - No Free Phase Product Detected
NSD - No Survey Data Available

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-5	3/31/03	102.10	NP	13.54	0.00	13.54	88.56
	6/12/03		NP	12.67	0.00	12.67	89.43
	9/18/03		NP	15.71	0.00	15.71	86.39
	12/2/03		NP	13.63	0.00	13.63	88.47
	3/16/04		NP	13.55	0.00	13.55	88.55
	7/7/04		NP	13.67	0.00	13.67	88.43
	9/29/04		NA	NA	NA	NA	NA
	6/27/05		NP	13.90	0.00	13.90	88.20
	9/19/05		NP	14.69	0.00	14.69	87.41
	12/15/05		NP	13.50	0.00	13.50	88.60
	3/28/06		NP	13.68	0.00	13.68	88.42
	6/15/06		NP	13.07	0.00	13.07	89.03
	9/26/06		NP	13.72	0.00	13.72	88.38
	12/11/06		NP	DRY	0.00	DRY	DRY
	3/13/07		NP	13.39	0.00	13.39	88.71
	6/15/07		NP	13.63	0.00	13.63	88.47
	10/1/07		NP	14.61	0.00	14.61	87.49
	12/26/07		NP	13.66	0.00	13.66	88.44
	5/2/08		NP	13.78	0.00	13.78	88.32
	6/23/08		NP	14.04	0.00	14.04	88.06
	10/31/08		NP	14.30	0.00	14.30	87.80
	1/28/09		NP	13.83	0.00	13.83	88.27
	2/20/09		NP	14.00	0.00	14.00	88.10
	3/24/09		NP	14.04	0.00	14.04	88.06
	4/23/09		NP	13.28	0.00	13.28	88.82
	5/26/09		NP	13.48	0.00	13.48	88.62
	6/11/09		NP	13.43	0.00	13.43	88.67
	6/26/09		NP	12.95	0.00	12.95	89.15
	7/14/09		NP	13.32	0.00	13.32	88.78
	8/20/09		NP	13.46	0.00	13.46	88.64
	9/30/09		NP	13.82	0.00	13.82	88.28
	10/23/09		NP	14.02	0.00	14.02	88.08
MW-6	3/31/03	102.60	NP	14.61	0.00	14.61	87.99
	6/12/03		NP	14.18	0.00	14.18	88.42
	9/18/03		NP	14.72	0.00	14.72	87.88
	12/2/03		NP	14.40	0.00	14.40	88.20
	3/16/04		NP	14.62	0.00	14.62	87.98
	7/7/04		NP	14.59	0.00	14.59	88.01
	9/29/04		NP	13.95	0.00	13.95	88.65
	6/27/05		NP	14.64	0.00	14.64	87.96
	9/19/05		NP	15.64	0.00	15.64	86.96
	12/15/05		NP	14.60	0.00	14.60	88.00
	3/28/06		NP	14.80	0.00	14.80	87.80
	6/15/06		NP	14.26	0.00	14.26	88.34
	9/26/06		NP	14.78	0.00	14.78	87.82
	12/11/06		NP	14.59	0.00	14.59	88.01
	3/13/07		NP	14.53	0.00	14.53	88.07
	6/15/07		NP	14.79	0.00	14.79	87.81
	10/1/07		NP	DRY	0.00	DRY	DRY
	12/26/07		NP	14.92	0.00	14.92	87.68
	5/2/08		NP	15.55	0.00	15.55	87.05
	6/23/08		NP	NA	NA	NA	NA
	10/31/08		NP	15.42	0.00	15.42	87.18
	1/28/09		NP	14.85	0.00	14.85	87.75
	2/20/09		NP	16.00	0.00	16.00	86.60
	3/24/09		NP	15.28	0.00	15.28	87.32
	4/23/09		NP	14.60	0.00	14.60	88.00
	5/26/09		NP	14.69	0.00	14.69	87.91
	6/11/09		NP	14.58	0.00	14.58	88.02
	6/26/09		NP	14.23	0.00	14.23	88.37
	7/14/09		NP	14.45	0.00	14.45	88.15
	8/20/09		NP	14.54	0.00	14.54	88.06
	9/30/09		NP	14.91	0.00	14.91	87.69
	10/24/09		NP	15.18	0.00	15.18	87.42
MW-7	3/31/03	101.98	NP	13.65	0.00	13.65	88.33
	6/12/03		NP	13.01	0.00	13.01	88.97
	9/18/03		NP	14.09	0.00	14.09	87.89
	12/2/03		NP	13.82	0.00	13.82	88.16
	3/16/04		NP	13.69	0.00	13.69	88.29
	7/7/04		NP	14.05	0.00	14.05	87.93
	9/29/04		NP	13.68	0.00	13.68	88.30
	6/27/05		NP	14.06	0.00	14.06	87.92
	9/19/05		NP	14.82	0.00	14.82	87.16
	12/15/05		NP	13.63	0.00	13.63	88.35
	3/28/06		NP	13.92	0.00	13.92	88.06
	6/15/06		NP	13.24	0.00	13.24	88.74
	9/26/06		NP	14.92	0.00	14.92	87.06
	12/11/06		NP	13.64	0.00	13.64	88.34
	3/13/07		NP	13.59	0.00	13.59	88.39
	6/15/07		NP	13.75	0.00	13.75	88.23
	10/1/07		NP	14.64	0.00	14.64	87.34
	12/26/07		NP	14.08	0.00	14.08	87.90
	5/2/08		NP	13.93	0.00	13.93	88.05
	6/23/08		NP	14.19	0.00	17.19	84.79
	10/31/08		NP	14.56	0.00	14.56	87.42
	1/28/09		NP	13.95	0.00	13.95	88.03
	2/20/09		NP	14.30	0.00	14.30	87.68
	3/24/09		NP	NSD	NS	NS	NSD
	4/23/09		NP	13.63	0.00	13.63	88.35
	5/26/09		NP	13.66	0.00	13.66	88.32
	6/11/09		NP	13.61	0.00	13.61	88.37
	6/26/09		NP	13.07	0.00	13.07	88.91
	7/14/09		NP	13.40	0.00	13.40	88.58
	8/20/09		NP	13.52	0.00	13.52	88.46
	9/30/09		NP	13.94	0.00	13.94	88.04
	10/24/09		NP	14.20	0.00	14.20	87.78

NA - Well Not Accessible
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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-8	3/31/03	101.22	NP	13.02	0.00	13.02	88.20
	6/12/03		NP	12.34	0.00	12.34	88.88
	9/18/03		NP	13.23	0.00	13.23	87.99
	12/2/03		NP	13.10	0.00	13.10	88.12
	3/16/04		NP	13.22	0.00	13.22	88.00
	7/7/04		NP	13.39	0.00	13.39	87.83
	9/29/04		NP	12.93	0.00	12.93	88.29
	6/27/05		NP	13.41	0.00	13.41	87.81
	9/19/05		NP	14.12	0.00	14.12	87.10
	12/15/05		NP	13.04	0.00	13.04	88.18
	3/28/06		NP	13.32	0.00	13.32	87.90
	6/15/06		NP	12.46	0.00	12.46	88.76
	9/26/06		NP	13.17	0.00	13.17	88.05
	12/11/06		NP	12.92	0.00	12.92	88.30
	3/13/07		NP	13.01	0.00	13.01	88.21
	6/15/07		NP	13.00	0.00	13.00	88.22
	10/1/07		NP	13.87	0.00	13.87	87.35
	12/26/07		NP	13.49	0.00	13.49	87.73
	5/2/08		NP	13.40	0.00	13.40	87.82
	6/23/08		NP	13.54	0.00	13.54	87.68
	10/31/08		NP	13.94	0.00	13.94	87.28
	1/28/09		NP	13.40	0.00	13.40	87.82
	2/20/09		NA	NA	NA	NA	NA
	3/24/09		NP	13.88	0.00	13.88	87.34
	4/23/09		NP	13.12	0.00	13.12	88.10
	5/26/09		NP	13.12	0.00	13.12	88.10
	6/11/09		NP	13.02	0.00	13.02	88.20
	6/26/09		NP	12.46	0.00	12.46	88.76
	7/14/09		NP	13.46	0.00	13.46	87.76
	8/20/09		NP	12.67	0.00	12.67	88.55
	9/30/09		NP	13.26	0.00	13.26	87.96
	10/24/09		NP	13.55	0.00	13.55	87.67
MW-9	3/31/03	98.27	NP	12.53	0.00	12.53	85.74
	6/12/03		NP	11.89	0.00	11.89	86.38
	9/18/03		NP	13.18	0.00	13.18	85.09
	12/2/03		NP	13.10	0.00	13.10	85.17
	3/16/04		NP	11.95	0.00	11.95	86.32
	7/7/04		NP	13.29	0.00	13.29	84.98
	9/29/04		NP	12.74	0.00	12.74	85.53
	6/27/05		NP	13.19	0.00	13.19	85.08
	9/19/05		NP	13.84	0.00	13.84	84.43
	12/15/05		NP	12.48	0.00	12.48	85.79
	3/28/06		NP	12.84	0.00	12.84	85.43
	6/15/06		NP	12.13	0.00	12.13	86.14
	9/26/06		NP	13.01	0.00	13.01	85.26
	12/11/06		NP	12.45	0.00	12.45	85.82
	3/13/07		NP	12.79	0.00	12.79	85.48
	6/15/07		NP	12.65	0.00	12.65	85.62
	10/1/07		NP	13.46	0.00	13.46	84.81
	12/26/07		NP	13.10	0.00	13.10	85.17
	5/2/08		NP	13.82	0.00	13.82	84.45
	6/23/08		NP	12.98	0.00	12.98	85.29
	10/31/08		NP	13.47	0.00	13.47	84.80
	1/28/09		NP	12.96	0.00	12.96	85.31
	2/20/09		NP	14.20	0.00	14.20	84.07
	3/24/09		NP	13.46	0.00	13.46	84.81
	4/23/09		NP	12.79	0.00	12.79	85.48
	5/26/09		NP	12.73	0.00	12.73	85.54
	6/11/09		NP	12.66	0.00	12.66	85.61
	6/26/09		NP	12.09	0.00	12.09	86.18
	7/14/09		NA	Destroyed during site Divestment			
MW-10	3/31/03	97.08	NP	11.00	0.00	11.00	86.08
	6/12/03		NP	NA	0.00	NA	NA
	9/18/03		NP	11.60	0.00	11.60	85.48
	12/2/03		NP	11.65	0.00	11.65	85.43
	3/16/04		NP	11.20	0.00	11.20	85.88
	7/7/04		NP	11.60	0.00	11.60	85.48
	9/29/04		NP	11.35	0.00	11.35	85.73
	6/27/05		NP	11.56	0.00	11.56	85.52
	9/19/05		NP	12.26	0.00	12.26	84.82
	12/15/05		NP	11.21	0.00	11.21	85.87
	3/28/06		NA	NA	NA	NA	NA
	6/15/06		NP	10.71	0.00	10.71	86.37
	9/26/06		NP	11.43	0.00	11.43	85.65
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	11.11	0.00	11.11	85.97
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NP	11.41	0.00	11.41	85.67
	5/2/08		NP	11.39	0.00	11.39	85.69
	6/23/08		NP	11.50	0.00	11.50	85.58
	10/31/08		N	11.81	0.00	11.81	85.27
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	3/24/09		NA	NA	NA	NA	NA
	4/23/09		NA	NA	NA	NA	NA
	5/26/09		NS	NS	NS	NS	NS
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NA	NA	NA	NA	NA
	7/14/09		NA	10.74	0.00	10.74	86.34
	8/20/09		NP	10.83	0.00	10.83	86.25
	9/30/09		NP	11.11	0.00	11.11	85.97
	10/24/09		NP	11.56	0.00	11.56	85.52

NA - Well Not Accessible
NP - No Free Phase Product Detected
NSD - No Survey Data Available

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Monitoring Data

Well #	Sampling Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	DTW Corrected for Product (ft)	Groundwater Elevation (ft)
MW-11	12/15/05	NSD	NP	15.35	0.00	15.35	NSD
	3/28/06	NSD	NP	15.40	0.00	15.40	NSD
	6/15/06	103.47	NP	14.90	0.00	14.90	88.57
	9/26/06		NP	15.41	0.00	15.41	88.06
	12/11/06		NP	15.22	0.00	15.22	88.25
	3/13/07		NP	15.19	0.00	15.19	88.28
	6/15/07		NP	15.56	0.00	15.56	87.91
	10/1/07		NP	16.56	0.00	16.56	86.91
	12/26/07		NP	15.48	0.00	15.48	87.99
	5/2/08		NP	16.88	0.00	16.88	86.59
	6/23/08		NP	15.97	0.00	15.97	87.50
	10/31/08		NP	16.40	0.00	16.40	87.07
	1/28/09		NP	15.96	0.00	15.96	87.51
	2/20/09		NP	15.90	0.00	15.90	87.57
	3/24/09		NP	16.08	0.00	16.08	87.39
	4/23/09		NP	15.15	0.00	15.15	88.32
	5/26/09		NP	15.26	0.00	15.26	88.21
	6/11/09		NP	15.17	0.00	15.17	88.30
	6/26/09		NP	14.80	0.00	14.80	88.67
	7/14/09		NP	15.16	0.00	15.16	88.31
	8/20/09		NP	15.22	0.00	15.22	88.25
	9/30/09		NP	15.61	0.00	15.61	87.86
	10/24/09		NP	15.97	0.00	15.97	87.50
MW-12	12/15/05	NSD	NP	13.84	0.00	13.84	NSD
	3/28/06	NSD	NP	14.00	0.00	14.00	NSD
	6/15/06	101.88	NP	13.12	0.00	13.12	88.76
	9/26/06		NP	13.78	0.00	13.78	88.10
	12/11/06		NP	13.61	0.00	13.61	88.27
	3/13/07		NP	13.65	0.00	13.65	88.23
	6/15/07		NP	13.78	0.00	13.78	88.10
	10/1/07		NP	14.67	0.00	14.67	87.21
	12/26/07		NP	14.01	0.00	14.01	87.87
	5/2/08		NP	14.21	0.00	14.21	87.67
	6/23/08		NP	14.26	0.00	14.26	87.62
	10/31/08		NP	14.62	0.00	14.62	87.26
	1/28/09		NP	14.18	0.00	14.18	87.70
	2/20/09		NP	14.10	0.00	14.10	87.78
	3/24/09		NP	14.53	0.00	14.53	87.35
	4/23/09		NP	13.77	0.00	13.77	88.11
	5/26/09		NP	13.77	0.00	13.77	88.11
	6/11/09		NP	13.68	0.00	13.68	88.20
	6/26/09		NP	13.12	0.00	13.12	88.76
	7/14/09		NP	13.40	0.00	13.40	88.48
	8/20/09		NP	13.39	0.00	13.39	88.49
	9/30/09		NP	14.04	0.00	14.04	87.84
	10/24/09		NP	14.27	0.00	14.27	87.61
MW-13	12/15/05		NP	11.19	0.00	11.19	88.28
	3/28/06		NP	11.46	0.00	11.46	88.01
	6/15/06	99.47	NP	10.73	0.00	10.73	88.74
	9/26/06		NP	11.43	0.00	11.43	88.04
	12/11/06		NP	11.13	0.00	11.13	88.34
	3/13/07		NP	11.14	0.00	11.14	88.33
	6/15/07		NP	11.07	0.00	11.07	88.40
	10/1/07		NA	12.00	0.00	12.00	87.47
	12/26/07		NA	11.29	0.00	11.29	88.18
	5/2/08		NA	11.33	0.00	11.33	88.14
	6/23/08		NP	11.45	0.00	11.45	88.02
	10/31/08		NP	11.80	0.00	11.80	87.67
	1/28/09		NP	10.74	0.00	10.74	88.73
	2/20/09		NP	14.50	0.00	14.50	84.97
	3/24/09		NP	11.75	0.00	11.75	87.72
	5/26/09		NP	11.12	0.00	11.12	88.35
	6/11/09		NP	10.80	0.00	10.80	88.67
	6/26/09		NP	10.41	0.00	10.41	89.06
	7/14/09		NP	10.80	0.00	10.80	88.67
	8/20/09		NP	10.97	0.00	10.97	88.50
	9/30/09		NP	11.25	0.00	11.25	88.22
	10/24/09		NP	11.65	0.00	11.65	87.82
MW-14	12/15/05		NP	10.47	0.00	10.47	89.79
	3/28/06		NP	10.67	0.00	10.67	89.59
	6/15/06	100.26	NP	9.70	0.00	9.70	90.56
	9/26/06		NP	10.79	0.00	10.79	89.47
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.18	0.00	10.18	90.08
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.43	0.00	10.43	89.83
	6/23/08		NP	11.88	0.00	11.88	88.38
	10/31/08		NP	11.18	0.00	11.18	89.08
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	5/26/09		NA	NA	NA	NA	NA
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NA	NA	NA	NA	NA
	7/14/09		NP	10.08	0.00	10.08	90.18
	8/20/09		NP	10.38	0.00	10.38	89.88
	9/30/09		NP	10.76	0.00	10.76	89.50
	10/24/09		NP	11.05	0.00	11.05	89.21
MW-15	12/15/05		NP	10.83	0.00	10.83	89.43
	3/28/06		NP	10.94	0.00	10.94	89.32
	6/15/06	100.26	NP	10.02	0.00	10.02	90.24
	9/26/06		NP	11.02	0.00	11.02	89.24
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	10.48	0.00	10.48	89.78
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.72	0.00	10.72	89.54
	6/23/08		NP	11.15	0.00	11.15	89.11
	10/31/08		NP	11.51	0.00	11.51	88.75
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	5/26/09		NA	NA	NA	NA	NA
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NP	9.80	0.00	9.80	90.46
	7/14/09		NP	10.35	0.00	10.35	89.91
	8/20/09		NP	10.52	0.00	10.52	89.74
	9/30/09		NP	11.05	0.00	11.05	89.21
	10/24/09		NP	11.35	0.00	11.35	88.91
MW-16	12/15/05		NP	10.22	0.00	10.22	90.23
	3/28/06		NP	10.39	0.00	10.39	90.06
	6/15/06	100.45	NP	9.71	0.00	9.71	90.74
	9/26/06		NP	10.64	0.00	10.64	89.81
	12/11/06		NA	NA	NA	NA	NA
	3/13/07		NA	NA	NA	NA	NA
	6/15/07		NP	9.95	0.00	9.95	90.50
	10/1/07		NA	NA	NA	NA	NA
	12/26/07		NA	NA	NA	NA	NA
	5/2/08		NP	10.26	0.00	10.26	90.19
	6/23/08		NP	10.75	0.00	10.75	89.70
	10/31/08		NP	11.11	0.00	11.11	89.34
	1/28/09		NA	NA	NA	NA	NA
	2/20/09		NA	NA	NA	NA	NA
	5/26/09		NA	NA	NA	NA	NA
	6/11/09		NA	NA	NA	NA	NA
	6/26/09		NP	9.55	0.00	9.55	90.90
	7/14/09		NP	10.00	0.00	10.00	90.45
	8/20/09		NP	10.29	0.00	10.29	90.16
	9/30/09		NP	10.67	0.00	10.67	89.78
	10/24/09		NP	10.89	0.00	10.89	89.56

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-1	3/31/03	**25**	<MDL	<MDL	<MDL	25	**30.5**	
	6/12/03	**19.2**	1.2	4.98	**8.48**	33.86	5.38	
	9/18/03	**25.2**	<MDL	<MDL	0.93	26.13	9.99	
	12/2/03	**51**	4.58	**8.8**	**23.34**	87.72	7.5	
	3/16/04	**11**	<MDL	<MDL	<MDL	11	7.99	
	7/7/04	**23.8**	<MDL	<MDL	0.69	24.49	**171**	
	9/29/04	**56**	<MDL	<MDL	0.84	56.84	3.88	
	6/27/05	**8.28**	<MDL	<MDL	<MDL	8.28	3.76	
	9/19/05	**4.13**	<MDL	<MDL	0.7	4.83	4.56	
	12/15/05	**5.57**	<MDL	<MDL	<MDL	5.57	4.03	
	3/28/06	**1.39**	<MDL	<MDL	<MDL	<MDL	5.57	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	2.84	
	9/26/06	**11.9**	0.67	<MDL	1.7	14.27	4.87	
	12/11/06	**1.07**	<MDL	<MDL	<MDL	1.07	3.27	
	3/13/07	**1**	<MDL	<MDL	1.7	2.7	1.3	
	6/15/07	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL	
	10/1/07	**5.7**	2	0.36	4	12.06	3	
	12/26/07	**31.7**	<MDL	<MDL	4.6	36.3	2.5	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	2.8	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	2.9	
	10/31/08	**3.8**	<MDL	<MDL	2.8	6.6	2.9	
	4/22/09	**0.99**	<MDL	<MDL	<MDL	0.99	1	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	2.1	
MW-2	3/31/03	NSP	NSP	NSP	NSP	NSP	NSP	
	6/12/03	**711**	**713**	**1740**	**4141**	7305	**100**	
	9/18/03	NSP	NSP	NSP	NSP	NSP	NSP	
	12/2/03	**1350**	**728**	**1450**	**3652**	7180	**279**	
	3/16/04	**1410**	**743**	**2100**	**5944**	10197	**286**	
	7/7/04	**955**	**478**	**1960**	**4502**	7895	**453**	
	9/29/04	**1260**	**1080**	**2160**	**5139**	9639	**529**	
	6/27/05	**1060**	**644**	**1980**	**4317**	8001	**163**	
	9/19/05	NSP	NSP	NSP	NSP	NSP	NSP	
	12/15/05	**1360**	**833**	**1820**	**5066**	9079	**123**	
	3/28/06	**701**	**316**	**1760**	**4211**	6988	**67.2**	
	6/15/06	**714**	**124**	**1770**	**2942**	5550	**103**	
	9/26/06	**586**	**217**	**967**	**1976**	3746	**85**	
	12./11/06	**911**	**541**	**1790**	**3872**	7114	**58.9**	
	3/13/07	**497**	**144**	**1190**	**2230**	4061	**28.1**	
	6/15/07	**383**	**151**	**1680**	**2320**	4534	<MDL	
	10/1/07	**448**	**168**	**1250**	**1800**	3050	**49.6**	
	12/26/07	**306**	**143**	**728**	**1240**	2417	9.1	
	5/2/28	**453**	**89.3**	**1310**	**1150**	3002.3	**12.3**	<MDL
	6/23/08	NA	NA	NA	NA	NA	NA	
	10/31/08	**340**	**84.5**	**874**	**1090**	2388.5	**16.3**	
	4/22/09	**296**	**216**	**1420**	**1860**	3792	7.6	
	7/16/09	**308**	**163**	**1220**	**1600**	3291	**34.1**	
MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**17.5**	
	6/12/03	**1.43**	<MDL	<MDL	<MDL	1.43	**128**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**44.4**	
	12/2/03	<MDL	<MDL	<MDL	<MDL	<MDL	**32.5**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**2010**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	**3650**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**1190**	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	**24**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	**57.1**	
	12/15/05	0.65	<MDL	<MDL	<MDL	0.65	**12.4**	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	6.96	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	6.2	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	3.87	
	12/11/06	**1.04**	<MDL	<MDL	<MDL	1.04	5.54	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	4.3	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	2.8	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	12/26/07	**1.3**	<MDL	<MDL	<MDL	1.3	2	
	5/2/28	**8.6**	<MDL	<MDL	<MDL	8.6	2.7	
	6/23/08	**3.7**	<MDL	<MDL	<MDL	3.7	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	1.9	
	4/22/09	**2.2**	<MDL	<MDL	<MDL	2.2	0.61	
	7/16/09	<MDL	<MDL	1.4	1.1	2.5	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**11.2**	
	6/12/03	**1.09**	<MDL	<MDL	<MDL	1.09	**12.4**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	<MDL	**28.8**	
	12/2/03	**1.17**	<MDL	<MDL	<MDL	1.17	**19.1**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	<MDL	**15.3**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	<MDL	9.27	
	9/29/04	NA	NA	NA	NA	NA	NA	
	6/27/05	<MDL	<MDL	<MDL	<MDL	<MDL	6.46	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	4.21	
	12/15/05	0.56	<MDL	<MDL	<MDL	0.56	3.86	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	3.52	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	2.55	
	12/11/06	DRY	DRY	DRY	DRY	DRY	DRY	
	3/13/07	<MDL	<MDL	<MDL	2.1	2.1	1.5	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	0.28	<MDL	<MDL	<MDL	0.28	1.3	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	2	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	1.2	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	1.6	
	4/22/09	<MDL	<MDL	<MDL	<MDL	<MDL	0.76	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	1.3	
MW-6	3/31/03	**365**	2.41	**16.5**	**17.46**	401.37	**111**	
	6/12/03	**27.8**	<MDL	**6.14**	3.08	37.02	5.59	
	9/18/03	**397**	<MDL	**19.9**	**18.3**	435.2	**128**	
	12/2/03	**91**	<MDL	**9.82**	**8.29**	109.11	**27.4**	
	3/16/04	**29.2**	<MDL	3.06	2.85	35.11	**40.5**	
	7/7/04	**13.1**	<MDL	<MDL	<MDL	13.1	**137**	
	9/29/04	**59.2**	1.04	**8.2**	**5.93**	74.37	**42.8**	
	6/27/05	**65.3**	0.65	1.59	3.1	70.64	**86.5**	
	9/19/05	**57.6**	<MDL	3.4	3.75	64.75	**90.4**	
	12/15/05	**53.5**	0.89	1.8	1.77	57.96	**44.3**	
	3/28/06	**37.4**	<MDL	<MDL	<MDL	<MDL	**34.1**	
	6/15/06	**118**	1.7	**6.17**	**17.1**	142.97	**92.4**	
	9/26/06	**51.2**	0.83	3.02	**12.3**	67.35	**35.7**	
	12/11/06	**43.2**	<MDL	<MDL	<MDL	43.2	**20.1**	
	3/13/07	**20.3**	<MDL	<MDL	1.5	21.8	**12.3**	
	6/15/07	**28.7**	<MDL	<MDL	<MDL	28.7	**12.5**	
	10/1/07	DRY	DRY	DRY	DRY	DRY	DRY	
	12/26/07	**49.3**	**1.5**	<MDL	<MDL	50.8	**14.7**	
	5/2/28	**40**	<MDL	<MDL	<MDL	40	**10.2**	
	6/23/08	**30**	<MDL	1.1	**5.3**	36.4	**9.7**	
	10/31/08	**37.3**	1.3	<MDL	2.7	41.3	**11.1**	
	4/22/09	**25.4**	0.8	0.57	0.68	27.45	**6.6**	
	7/16/09	**34.1**	2	**14.4**	**25.5**	76	**5.3**	
MW-7	3/31/03	**45.3**	<MDL	3.67	**6.06**	55.03	**27.7**	
	6/12/03	**289**	**6.6**	**16.6**	**188.6**	500.8	**91.9**	
	9/18/03	**394**	4.38	**5.95**	**17.11**	421.44	**143**	
	12/2/03	**244**	3.62	**13.5**	**17.25**	278.37	**76.8**	
	3/16/04	**420**	4.27	**29.7**	**9.06**	463.03	**107**	
	7/7/04	**363**	4.42	**30.6**	**16.68**	414.72	**73.3**	
	9/29/04	**353**	**5.01**	**20.2**	**11.41**	389.62	**74.4**	
	6/27/05	**364**	3.57	**9.5**	2.95	380.02	**44.3**	
	9/19/05	**345**	**6.3**	**12**	**22.49**	385.79	**47.2**	
	12/15/05	**440**	**7**	4.28	**6.81**	458.09	**46.6**	
	3/28/06	**338**	3.09	<MDL	<MDL	341.09	**36.2**	
	6/15/06	**275**	4.76	**5.18**	**13.99**	298.93	**25.4**	
	9/26/06	**194**	3.44	1.68	**20.97**	220.09	**17.7**	
	12/11/06	**396**	**5.44**	4.17	**4.99**	410.6	**19.9**	
	3/13/07	**329**	**4.5**	3.4	**4.3**	341.2	**18**	
	6/15/07	**330**	**4.1**	**8.8**	**2.3**	345.2	**20.4**	
	10/1/07	**335**	**6.5**	4	**4.7**	350.2	**16.7**	
	12/26/07	**290**	**4**	2.1	**3.3**	299.4	**17.5**	
	5/2/28	**218**	**3.1**	**5.5**	**3.7**	230.3	**12.9**	
	6/23/08	**217**	**2.5**	1.1	**2.6**	223.2	**11.3**	
	10/31/08	**278**	**8.2**	**8.1**	**25.7**	320	**16.9**	
	4/22/09	**197**	**4.3**	1.8	**2.9**	206	9.6	
	7/16/09	**224**	**3.6**	**7.7**	**1.9**	237.2	**18**	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - No Sample Taken, Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-8	3/31/03	**131**	4.12	**53.6**	**79.7**	268.42	**35.2**	
	6/12/03	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/18/03	**92.2**	3.64	**22.1**	**32.94**	150.88	**41.8**	
	12/2/03	**28.4**	0.79	**5.82**	**8.65**	43.66	**10.4**	
	3/16/04	**2.74**	<MDL	0.58	<MDL	3.32	5.19	
	7/7/04	**2.57**	<MDL	<MDL	<MDL	2.57	3.82	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**19.6**	
	6/27/05	**12.8**	<MDL	0.36	2.74	15.9	5.37	
	9/19/05	**31.5**	0.73	2.48	1.17	35.88	**14.5**	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2.05	
	3/28/06	**1.11**	<MDL	<MDL	<MDL	1.11	3.21	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	0.84	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	5	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	3.9	
	5/2/28	**2.1**	<MDL	<MDL	<MDL	**2.1**	1.7	<MDL
	6/23/08	**21.3**	<MDL	<MDL	<MDL	**21.3**	5.2	
	10/31/08	**34.4**	<MDL	<MDL	**1.5**	35.9	**34.1**	
	4/22/09	**1.8**	<MDL	<MDL	<MDL	1.8	4.8	
	7/16/09	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL	
MW-9	3/31/03	**7770**	<MDL	**291**	<MDL	8061	**2700**	
	6/12/03	**2680**	**19.1**	**107**	**227**	3033.1	**1160**	
	9/18/03	**9660**	**40.8**	**163**	**229.3**	10093.1	**2870**	
	12/2/03	**8790**	<MDL	**114**	**89.3**	8993.3	**2750**	
	3/16/04	**2.33**	<MDL	<MDL	<MDL	2.33	**33.7**	
	7/7/04	**6730**	**29.8**	**98.8**	**43.8**	6902.4	**1850**	
	9/29/04	**7930**	**31.5**	**148**	**52.1**	8161.6	**2860**	
	6/27/05	**7300**	**37.3**	**118**	**64.7**	7520	**1610**	
	9/19/05	**8720**	**46.2**	**78**	**96.1**	8940.3	**2400**	
	12/15/05	**9630**	**50.7**	**110**	**62**	9852.7	**2010**	
	3/28/06	**7740**	<MDL	**114**	**107**	7961	**1170**	
	6/15/06	**4190**	**23.8**	**67.7**	<MDL	4281.5	**949**	
	9/26/06	**5840**	**28.2**	**63.9**	**75.2**	6007.3	**1130**	
	12/11/06	**6430**	<MDL	**133**	**109**	6672	**1410**	
	3/13/07	**6770**	**37.6**	**52.1**	**26.1**	6885.8	**938**	
	6/15/07	**6090**	**32.4**	**48.8**	**46.7**	6217.9	**1350**	
	10/1/07	**7720**	**43.1**	**47.3**	**93**	7903.4	**1380**	
	12/26/07	**7520**	**44.9**	**51.6**	**81.4**	7697.9	**1210**	
	5/2/28	**6070**	**48.9**	**58.6**	**86.1**	6263.6	**415**	<MDL
	6/23/08	**6960**	**39.2**	**44.9**	**55.8**	7099.9	**497**	
	10/31/08	**6690**	**33.5**	**49.1**	**66.9**	6839.5	**1060**	
	4/22/09	**5460**	**32.5**	**52.2**	**39.8**	5584.5	**314**	
	7/16/09	**3300**	**19.2**	**63**	**18.5**	3400.7	**531**	
MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	<MDL	**22.7**	
	6/12/03	**NS**	**NS**	**NS**	**NS**	NS	**NS**	
	9/18/03	**2.96**	<MDL	<MDL	<MDL	2.96	**38.6**	
	12/2/03	**7.99**	<MDL	<MDL	<MDL	7.99	**50.9**	
	3/16/04	**10200**	**62**	**178**	**161.6**	10601.6	**2620**	
	7/7/04	**2.78**	<MDL	<MDL	<MDL	2.78	**80.7**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	<MDL	**320**	
	6/27/05	0.63	<MDL	<MDL	<MDL	0.63	**10.6**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	<MDL	6.41	
	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	1.5	
	3/28/06	NA	NA	NA	NA	NA	NA	
	6/15/06	**4.46**	<MDL	<MDL	<MDL	4.46	7.14	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	1.09	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	**1.6**	<MDL	<MDL	<MDL	1.6	1.2	
	5/2/28	**2.1**	<MDL	<MDL	<MDL	2.1	<MDL	
	6/23/08	0.63	<MDL	<MDL	<MDL	0.63	<MDL	
	10/31/08	**0.79**	<MDL	<MDL	<MDL	0.79	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	**5**	<MDL	5	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Summary of Quarterly Groundwater Laboratory Analysis

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)
MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	<MDL	0.35	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	4/22/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-12	12/15/05	**118**	**59.2**	**502**	**2734**	3407.2	**18.4**	
	3/28/06	**96.7**	<MDL	**5.3**	**1910**	2012	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	**2.55**	<MDL	**5.73**	**12.91**	21.19	1	
	3/13/07	0.64	<MDL	<MDL	<MDL	0.64	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	**109**	**6.5**	**163**	**69.8**	348.3	**21.3**	
	12/26/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	5/2/28	**21.3**	**3.7**	**50.8**	**35.4**	111.2	**4.7**	
	6/23/08	**45.4**	**2.9**	**99.3**	**24.5**	172.1	**6.4**	
	10/31/08	**100**	**2.5**	**101**	**4.7**	208.2	**25.7**	
	4/22/09	**1.6**	<MDL	0.5	<MDL	2.1	0.59	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-13	12/15/05	**6.36**	0.41	<MDL	0.74	7.51	0.86	
	3/28/06	**7.07**	<MDL	<MDL	1.88	8.95	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	2.65	
	9/26/06	**3.69**	<MDL	<MDL	<MDL	3.69	1.61	
	12/11/06	**3.62**	<MDL	<MDL	<MDL	3.62	2.14	
	3/13/07	**6.7**	<MDL	<MDL	2.4	9.1	2.5	
	6/15/07	**1.5**	<MDL	<MDL	<MDL	1.5	<MDL	
	10/1/07	**5.2**	0.73	1.1	2.8	9.83	0.94	
	12/26/07	**10.9**	<MDL	<MDL	2.9	13.8	1	
	5/2/28	**3.3**	<MDL	<MDL	<MDL	3.3	<MDL	
	6/23/08	**7.2**	<MDL	<MDL	<MDL	7.2	<MDL	
	10/31/08	**12.3**	<MDL	<MDL	<MDL	**12.3**	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	**11**	<MDL	**13.1**	**2.2**	**26.3**	<MDL	
MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	<MDL	2.84	
	3/28/06	<MDL	<MDL	<MDL	<MDL	<MDL	5.64	
	9/26/06	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	12/11/06	NA	NA	NA	NA	NA	NA	
	3/13/07	NA	NA	NA	NA	NA	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	10/1/07	NA	NA	NA	NA	NA	NA	
	12/26/07	NA	NA	NA	NA	NA	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	<MDL	**1.3**	
	10/31/08	NA	NA	NA	NA	NA	NA	
	4/22/09	NA	NA	NA	NA	NA	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - Well Not Accessible
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GETTY S/S #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

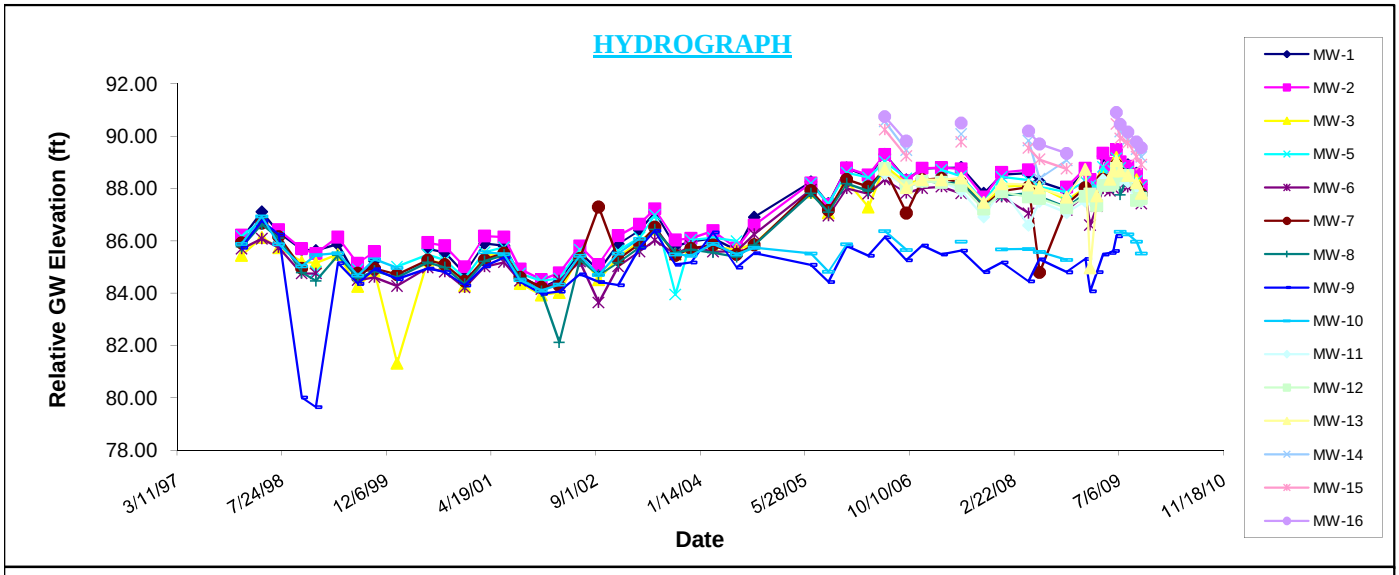
Summary of Quarterly Groundwater Laboratory Analysis

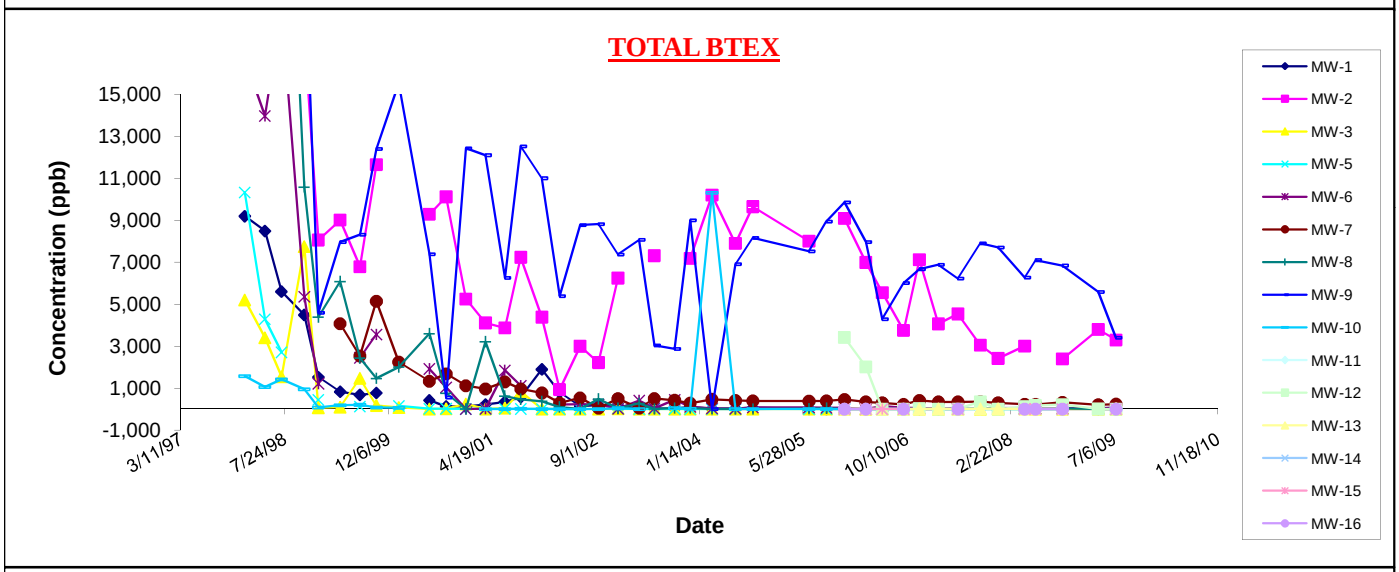
Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)	Ethanol (ppb)

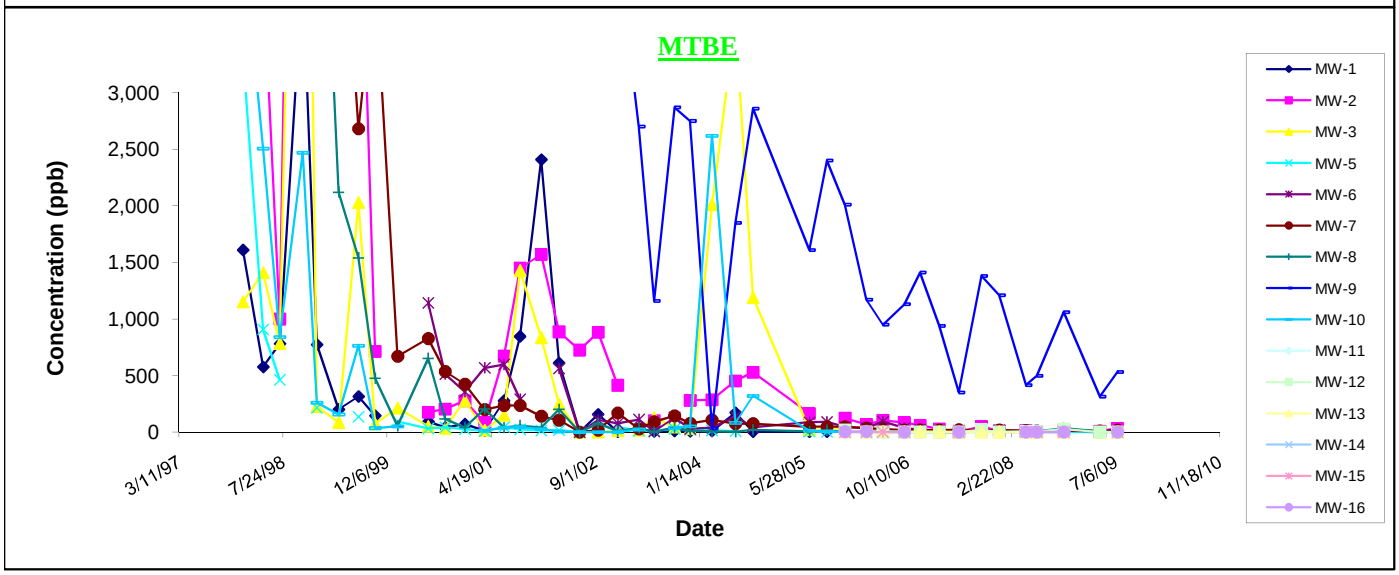
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

GETTY #58014 5510 BROADWAY AVENUE BRONX, NEW YORK

Quarterly Monitoring Report







New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/31/09

Technical Report for

Getty Properties Corporation

TYREENY:#58014 5510 Broadway Bronx NY

2090042

Accutest Job Number: M84445

Sampling Date: 07/16/09

Report to:

Tyree Organization

jkotch@tyreeorg.com

ATTN: Jen Kotch

Total number of pages in report: **23**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Tom Lunder 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) NC (653) IL (200018) NAVY USACE

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Accutest Laboratories

Sample Summary

Getty Properties Corporation

Job No: M84445

TYREENY:#58014 5510 Broadway Bronx NY
Project No: 2090042

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M84445-1	07/16/09	12:10	GB	07/21/09	AQ	Ground Water	MW-1
M84445-2	07/16/09	12:20	GB	07/21/09	AQ	Ground Water	MW-2
M84445-3	07/16/09	12:30	GB	07/21/09	AQ	Ground Water	MW-3
M84445-4	07/16/09	12:40	GB	07/21/09	AQ	Ground Water	MW-5
M84445-5	07/16/09	12:50	GB	07/21/09	AQ	Ground Water	MW-6
M84445-6	07/16/09	13:00	GB	07/21/09	AQ	Ground Water	MW-7
M84445-7	07/16/09	13:10	GB	07/21/09	AQ	Ground Water	MW-8
M84445-8	07/16/09	13:20	GB	07/21/09	AQ	Ground Water	MW-9
M84445-9	07/16/09	13:30	GB	07/21/09	AQ	Ground Water	MW-10
M84445-10	07/16/09	13:40	GB	07/21/09	AQ	Ground Water	MW-11
M84445-11	07/16/09	13:50	GB	07/21/09	AQ	Ground Water	MW-12
M84445-12	07/16/09	14:00	GB	07/21/09	AQ	Ground Water	MW-13
M84445-13	07/16/09	14:10	GB	07/21/09	AQ	Ground Water	MW-14

Accutest Laboratories

Sample Summary
(continued)

Getty Properties Corporation

Job No: M84445

TYREENY:#58014 5510 Broadway Bronx NY
Project No: 2090042

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M84445-14	07/16/09	14:20	GB	07/21/09	AQ	Ground Water	MW-15
M84445-15	07/16/09	14:30	GB	07/21/09	AQ	Ground Water	MW-16

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	M84445-1	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7701.D	1	07/22/09	AP	n/a	n/a	GBH384
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	112%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	M84445-2	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7723.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2	BD29801.D	10	07/28/09	AF	n/a	n/a	GBD1415

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	308	1.0	ug/l	
108-88-3	Toluene	163	1.0	ug/l	
100-41-4	Ethylbenzene	1220 [a]	10	ug/l	
1330-20-7	Xylenes (total)	1600	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	34.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	129%	96%	70-130%
	2,3,4-Trifluorotoluene	107%	94%	70-130%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	M84445-3	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7724.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	1.4	1.0	ug/l	
1330-20-7	Xylenes (total)	1.1	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	108%		70-130%
	2,3,4-Trifluorotoluene	107%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M84445-4	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7725.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	105%		70-130%
	2,3,4-Trifluorotoluene	106%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M84445-5	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	BH7726.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	34.1	1.0	ug/l	
108-88-3	Toluene	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	14.4	1.0	ug/l	
1330-20-7	Xylenes (total)	25.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	113%		70-130%
	2,3,4-Trifluorotoluene	106%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	M84445-6	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7728.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	224	1.0	ug/l	
108-88-3	Toluene	3.6	1.0	ug/l	
100-41-4	Ethylbenzene	7.7	1.0	ug/l	
1330-20-7	Xylenes (total)	1.9	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	18.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	114%		70-130%
	2,3,4-Trifluorotoluene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	M84445-7	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7729.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	1.1	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	104%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	M84445-8	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7730.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2	BD29802.D	20	07/28/09	AF	n/a	n/a	GBD1415

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	3300 [a]	20	ug/l	
108-88-3	Toluene	19.2	1.0	ug/l	
100-41-4	Ethylbenzene	63.0	1.0	ug/l	
1330-20-7	Xylenes (total)	18.5	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	531	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	125%	96%	70-130%
	2,3,4-Trifluorotoluene	111%	97%	70-130%

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	M84445-9	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7731.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	5.0	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	109%		70-130%
	2,3,4-Trifluorotoluene	107%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	M84445-10	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7732.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	105%		70-130%
	2,3,4-Trifluorotoluene	104%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	M84445-11	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7733.D	1	07/23/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	104%		70-130%
	2,3,4-Trifluorotoluene	104%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	M84445-12	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7734.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	11.0	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	13.1	1.0	ug/l	
1330-20-7	Xylenes (total)	2.2	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	114%		70-130%
	2,3,4-Trifluorotoluene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	M84445-13	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7735.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	101%		70-130%
	2,3,4-Trifluorotoluene	103%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	M84445-14	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7736.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	103%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	M84445-15	**Date Sampled:**	07/16/09
Matrix:	AQ - Ground Water	**Date Received:**	07/21/09
Method:	SW846 8021	**Percent Solids:**	n/a
Project:	TYREENY:#58014 5510 Broadway Bronx NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH7737.D	1	07/24/09	AP	n/a	n/a	GBH385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
615-59-8	2,5-Dibromotoluene	104%		70-130%
	2,3,4-Trifluorotoluene	105%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (NY)
- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M84445
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tyree
ADDRESS: 1 Northway Lane
CITY: Latham STATE: NY ZIP: 12110
SEND REPORT TO: Jen Kotch
PHONE #: (518) 786-3200 ext 202

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.: 2090042
FAX #:

ANALYTICAL INFORMATION: BTEX + MTBE

MATRIX CODES: DW - DRINKING WATER; GW - GROUND WATER; WW - WASTE WATER; SO - SOIL; SL - SLUDGE; OI - OIL; LIQ - OTHER LIQUID; SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX + MTBE	LAB USE ONLY
-1	MW-1	7/16/09	1210	GB	GW	3	3					X	
-2	MW-2	7/16/09	1220	GB	GW	3	3					X	
-3	MW-3	7/16/09	1230	GB	GW	3	3					X	
-4	MW-5	7/16/09	1240	GB	GW	3	3					X	
-5	MW-6	7/16/09	1250	GB	GW	3	3					X	
-6	MW-7	7/16/09	1300	GB	GW	3	3					X	
-7	MW-8	7/16/09	1310	GB	GW	3	3					X	
-8	MW-9	7/16/09	1320	GB	GW	3	3					X	
-9	MW-10	7/16/09	1330	GB	GW	3	3					X	
-10	MW-11	7/16/09	1340	GB	GW	3	3					X	
-11	MW-12	7/16/09	1350	GB	GW	3	3					X	

DATA TURNAROUND INFORMATION

- [x] 14 DAYS STANDARD
- [ ] 7 DAYS *RUSH*
- [ ] 48 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

154

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	1600 7/16/09	1. FEDX	2. FEDX	1400 7-21-09	2. Wayne Mo
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE [ ]	ON ICE [✓] TEMPERATURE 6.1 °C

M84445: Chain of Custody
Page 1 of 2

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M844445
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Tyree
ADDRESS: 1 Northway Lane
CITY, STATE, ZIP: Latham NY 12110
SEND REPORT TO: Jen Kotch
PHONE #: (518)786-3200 ext 202

FACILITY INFORMATION

PROJECT NAME: Getty 58014
LOCATION: 5510 Broadway Bronx, NY
PROJECT NO.: 2090042
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX + MTBE	LAB USE ONLY
-12	MW-13	7/16/09	1400	GB	GW	3	3					X	
-13	MW-14	7/16/09	1410	GB	GW	3	3					X	
-14	MW-15	7/16/09	1420	GB	GW	3	3					X	
-15	MW-16	7/16/09	1430	GB	GW	3	3					X	

DATA TURNAROUND INFORMATION

- [x] 14 DAYS STANDARD — APPROVED BY:
- [ ] 7 DAYS *RUSH*
- [ ] 48 HOUR EMERGENCY
- [ ] OTHER

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [ ] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. Gary Bohan	7/16/09 1600	1. FED X	2. FED X	7-21-09 1000	2. Wayne Mc
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE [ ]	ON ICE [x] TEMPERATURE 6.1° C

M84445: Chain of Custody
Page 2 of 2

Tyree Environmental Corp.
Latham
1 Northway Lane, Latham, NY 12110 Fax: 518-786-7351 Phone: 518-786-3200

October 8, 2009

Mr. Steve Sangersland
New York State Department of Environmental Conservation
Region 2 Office
1 Hunters Point Plaza
Long Island City, NY 11101

Re: UST Closure Report
Getty Station #58014
5510 Broadway, Bronx, NY
NYSDEC Spill #0904799

Dear Mr. Sangersland:

Tyree Environmental Corporation (Tyree) is forwarding you this copy of the Underground Storage Tank (UST) Closure Report that summarizes the tank removal activities performed at the former Getty Station #58014 located at 5510 Broadway, Bronx, New York.

Thank you for your attention. If you have any further questions, please feel free to contact me at (518) 786-3200 x 219.

Thank you,
TYREE ENVIRONMENTAL CORP.

James Smith, C.P.G.

Attach: UST Closure Report

Cc: Mr. Scott Hanley – GPMI
Ms. Rui June Feng - NYSDEC
File

UNDERGROUND STORAGE TANK CLOSURE REPORT

GETTY #5014

5510 BROADWAY

BRONX, NEW YORK

OCTOBER 2009

PREPARED FOR:

GETTY PETROLEUM MARKETING, INC.

1500 HEMPSTEAD TURNPIKE

EAST MEADOW, NEW YORK 11554-1551

PREPARED BY:

TYREE ENVIRONMENTAL CORP.

1 NORTHWAY LANE

LATHAM, NEW YORK 12110

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Appendix B – Laboratory Analytical Reports

1.0 INTRODUCTION

Tyree Environmental Corp. (Tyree) was contracted by Getty Petroleum Marketing, Inc.(GPMI) to remove three (3) 4,000 gallon single wall steel underground storage tanks (USTs) encased in concrete and five (5) dispensers located at Getty Station #58014 at 5510 Broadway in Bronx, New York. Two of the 4,000 gallon USTS were used for gasoline storage and the other UST was used for diesel fuel storage. The USTs were removed as a result of a routine tank divestment. During tank removal activities, Tyree personnel were on-site to supervise tank removal operations, evaluate the condition of the tanks and product piping, screen soils using a photoionization detector (PID), and collect post excavation soil samples for laboratory analysis.

2.0 SITE DESCRIPTION

2.1 Site Location

The project site is a commercial retail gasoline facility located in the Borough of Bronx, Bronx County, New York (**Figure 1**). The property lies at an approximate elevation of 60 feet above sea level (**Figure 1**).

2.2 Local Land Uses

The project site is located in a commercial area. Commercial properties are located to the immediate north, south, east and west of the subject site. The Jerome Park reservoir is located approximately 800 yards east of the site (**Figure 1**). The site is supplied by municipal-fed water through the City of Bronx, New York.

2.3 Regional Geology

The subsurface soil underlying the site is identified on the Lower Hudson Surficial Geologic Map as Till. The Till deposits are underlain by the Middle Ordovician Manhattan pelitic schist and amphibolite Formation of the Trenton Group (Geologic Map of New York, Lower Hudson Sheet, Fisher, et al., 1970).

3.0 TANK REMOVAL ACTIVITIES

3.1 Notifications

The New York State Department of Environmental Conservation (NYSDEC) Region 2 and City of Bronx, New York were notified on July 16, 2009 of the tank removal activities prior to the start date. Local utilities including the City of Bronx Fire Department were notificd on July 16, 2009. A UFPO was called in on July 16, 2009 to notify all utility companies that may have overhead or underground utilities at the site.

3.2 Underground Storage Tank Removal Activities

The three 4,000 gallon steel USTs and associated lines were checked for residual fluids and evacuated by a vacuum-truck operated by Tyree on July 22, 2009. The tank field location is identified on **Figure 2.** UST removals activities were performed during the period of July 21-July 29, 2009. Tyree personnel continuously supervised tank removal activities and the USTs were inspected upon removal from the ground. The tank vessels appeared to be in good shape with no evidence of holes, scaling or pitting.

Following removal of the concrete slab from underneath the eneased USTs, petroleum stained soil was observed and a presumed 550 gallon ghost UST was observed. The location of the ghost tank was immediately south of the UST grave area. The ghost tank was not removed as part of the GPMI divestment but was reported to NYSDEC Region 2. Petroleum contamination was observed from underneath the conerete tank slab that supported the concrete encased USTs. The concrete encasements of the three USTs did not show any signs of failure or petroleum impact. Tyree notified the NYSDEC Spill Hotline and NYSDEC Spill # 09-04799 was assigned to the site on July 24, 2009 at 2:00 p.m. The three USTs were cleaned on site and were transported by Tyree to Gershow Recycling in Medford, NY. The Tank Disposal affidavit is attached in **Appendix A**.

3.3 Soil Field Screening and Soil Sample Collection

Soils were screened with a photoionization detector (PID) as described above and observed for staining and petroleum impact. Post-excavation soil samples were collected from the sidewalls and floor of the tank excavation in accordance with DER-10 Section 5.5 (b)(iv). The PID measures the qualitative concentrations of volatile organic compounds (VOCs) in soil. PID readings from the UST area following petroleum soil excavation were recorded at 0.0 parts per million (ppm) on each of the four sidewalls and on the floor of the tank excavation. No petroleum contaminated soil was dug out from the excavation. A total of eleven (11) post excavation soil samples were collected from the tank excavation bottom and sidewalls. Four (4) post excavation samples were collected from the pump islands and sent in for laboratory analysis of VOCs and SVOCs by EPA Methods 8260 and 8270, respectively. Post excavation soil samples were submitted for laboratory analysis using EPA Methods 8260 and 8270. Soil sample locations are shown on **Figure 2**. Soil analytical results are summarized in **Tables 1 and 2** and are included as **Appendix B.**

4.0 SOIL LABORATORY ANALYTICAL DATA

4.1 Soil Analytical Results

The soil samples were submitted to Environmental Testing Laboratories of Farmingdale, New York for analysis using EPA Methods 8260 and 8270. Three VOCs from "North Dispenser" soil sample and one (1) VOC from the "North Tank Bottom" soil sample were reported at concentrations that exceed NYSDEC TAGM #4046 RSCOs. All other VOCs were reported below NYSDEC TAGM #4046 RSCOs.

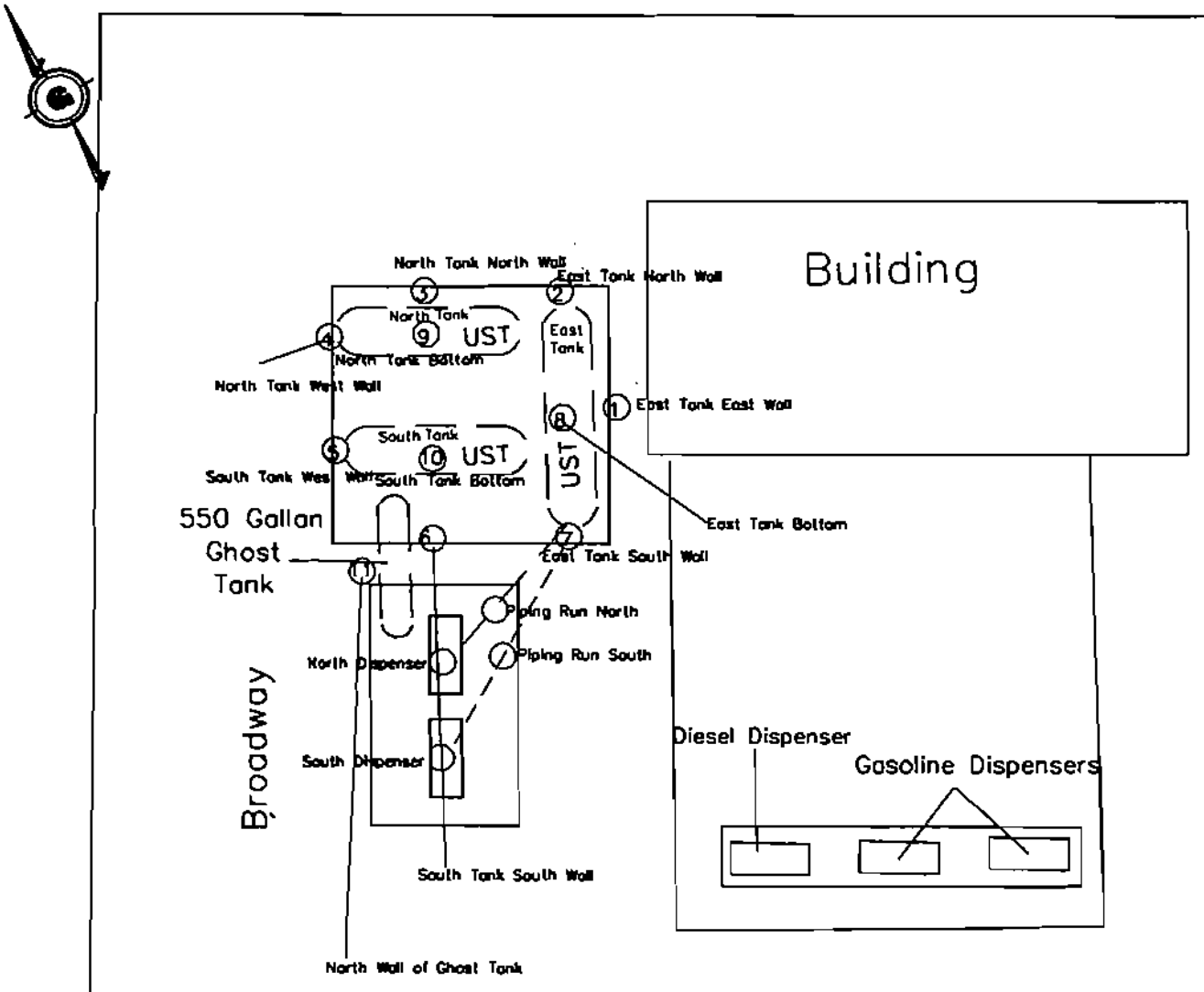
Sixteen (16) SVOCs in post excavation soil samples were reported at concentrations that exceed NYSDEC TAGM #4046 RSCOs. All other SVOCs were reported below NYSDEC TAGM #4046 RSCOs. The complete laboratory analytical reports are presented in **Appendix B.** A

summary of the laboratory analytical results from the tank exeavation and dispenser area are presented in **Tables 1 and 2.**

5.0 LIMITATIONS

This UST Closure Report was prepared for Getty Petroleum Marketing, Inc. The results provided by The Tyree Company in this Tank Closure Report are based solely on the information reported in this document. Future investigative site information which was not available to The Tyree Environmental Corporation at the time of this Tank Closure may result in a modifieation of the conclusions stated above. The eonelusions presented are based upon the eurrent regulatory elimate and may require revision if future regulatory changes occur. This investigation and report has been conducted in accordance with generally accepted hydrologic practices. No warranty, expressed or implicd, is made.

FIGURES



WEST 230TH STREET

Legend

④ Post Ex Soil Sample Location

TYREE ENVIRONMENTAL CORP.

SITE PLAN AND POST EX SOIL SAMPLE LOCATIONS

SITE: GETTY STATION #58014		SCALE:
LOCATION: 5510 Broadway		NONE
Bronx, NY		PLATE:
CLIENT: GETTY PETROLEUM MKTG.		FIGURE 2
DRW BY: KM/JS	DATE: 8/09	

TABLES

Table 1
Soil Sample VOC Analytical Results
Tank Field
Getty Station #58014, 5315 Broadway Ave., Bronx, NY
EPA Method 8260

Contaminant	Soil Sample Locations												NYSDEC Recommended Soil Cleanup Objectives
	11/1/2005		11/22/2005	11/28/2005		12/7/2005			1/23/2006				
	South Tank South Wall	Closet Tank Northwest	South Tank West Wall	North Tank West Wall	North Tank North Wall	North Tank Bottom	East Tank Bottom	South Tank Bottom	Piping Run North	Piping Run South	South Dispenser	North Dispenser	
Benzene	BDL	BDL	BDL	BDL	BDL	1.630	2.03	3.35	BDL	BDL	1.4	**390**	60
Toluene	BDL	BDL	BDL	BDL	BDL	1.15	81.7	93	0.74	BDL	6.4	**14,800**	1500
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	126	108	130	BDL	BDL	BDL	**3,970**	5500
total-xylene	BDL	BDL	BDL	BDL	BDL	518	660	927	3.1	BDL	5.3	**27,470**	1200
total-BTEX	-	-	-	-	-	1000.33	837.73	1153.35	3.84	-	16.1	**46,630**	NA
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.5	100	200
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	13.15	12.6	17.9	BDL	BDL	1.5	110	5000
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	55.60	54.3	72.7	BDL	BDL	BDL	300	10000
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	442	404	566	3.5	0.0013	32	5,540	10000
1,2,4,5-Tetramethylbenzene	BDL	0.76	0.76	BDL	BDL	38.70	41.9	55.5	1.3	BDL	26	30	NA
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	124	117	156	1.4	BDL	34	500	3310
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	NA
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	28.60	39.5	4.75	BDL	BDL	23	28	10000
sec-Butylbenzene	19	BDL	BDL	BDL	BDL	5.67	7.25	0.00354	BDL	BDL	107	15	10000
tert-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10000
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3,710	BDL	300
p-Ethyltoluene	BDL	BDL	BDL	BDL	BDL	336	316	39	7.6	0.71	39	6,700	NA
p-Diethylbenzene	BDL	BDL	BDL	BDL	BDL	129	124	156	BDL	BDL	BDL	120	NA
4-Isopropyltoluene	5.43	BDL	BDL	BDL	BDL	11.60	12.6	16.4	BDL	BDL	43	6	10000
Naphthalene	BDL	BDL	BDL	BDL	BDL	38.900	54.4	70.5	2.3	1.2	BDL	31	13000
Methyl-t-butyl ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	72	120

Contaminant	Soil Sample Locations			NYSDEC NYSDEC Recommended Soil Cleanup Objectives
	11/22/2005			
	East Tank East Wall	East Tank North Wall	East Tank South Wall	
Benzene	BDL	BDL	BDL	60
Toluene	BDL	3.60	67.0	1500
Ethylbenzene	BDL	3.10	80.0	5500
total-xylene	BDL	131	590	1200
total-BTEX	BDL	BDL	BDL	NA
Acetone	BDL	BDL	42.0	200
Isopropylbenzene	BDL	1.60	16.0	5000
n-Propylbenzene	BDL	4.10	92.0	10000
1,2,4-Trimethylbenzene	BDL	11	1160	10000
1,2,4,5-Tetramethylbenzene	0.59	79	160	NA
1,3,5-Trimethylbenzene	BDL	720	BDL	3310
2-Butanone	BDL	BDL	16.0	NA
n-Butylbenzene	BDL	28.0	92.0	10000
sec-Butylbenzene	BDL	5.70	79.9	10000
tert-Butylbenzene	BDL	BDL	BDL	10000
Bromodichloromethane	BDL	BDL	BDL	NA
Chloroform	BDL	BDL	BDL	300
p-Ethyltoluene	BDL	83.0	600	NA
p-Diethylbenzene	BDL	BDL	490	NA
4-Isopropyltoluene	BDL	4.50	12.0	10000
Naphthalene	BDL	11.9	300	13000
Methyl-t-butyl ether	BDL	BDL	BDL	120

Notes
1.) All results reported as parts per billion (ppb)
2.) Analysis performed in accordance with USEPA Method 8260
3.) BDL - Below Detection Level
4.) DEC Recommended Soil Cleanup Objective from TAGM 4046
5.) Bold numerals exceed recommended soil cleanup objective values
6.) NA = No Standard Available

Table 1
Soil Sample SVOC Analytical Results
Getty Station #58014, 5519 Broadway Ave., Bronx, NY
EPA Method 8270

Contaminant	Soil Sample Locations												NYSDEC Recommended Soil Cleanup Objectives
	7/21/2004		7/21/2004	7/21/2004	7/21/2004				7/21/2004				
	South Tank Northwall	Ghost Tank Northwall	South Tank West Wall	North Tank West Wall	North Tank Bottom	East Tank Bottom	South Tank Bottom	North Tank North Wall	Piping Run North	Piping Run South	South Dispenser	North Dispenser	
Naphthalene	BDL	BDL	BDL	BDL	22,300	40,300	37,800	BDL	BDL	BDL	BDL	1,430	13000
Anthracene	38.0	BDL	BDL	BDL	55.5	89.7	75.7	BDL	BDL	BDL	BDL	180	50000
Acenaphthene	BDL	BDL	BDL	BDL	660	165	192	BDL	BDL	BDL	BDL	BDL	50000
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	120	50000
Benzo(a)anthracene	97.0	BDL	BDL	BDL	BDL	97.6	BDL	BDL	58.3	64.6	BDL	473	224
Benzo(b)fluoranthene	78.0	BDL	50.7	BDL	BDL	BDL	BDL	BDL	56.8	55.5	BDL	690	1100
Benzo(k)fluoranthene	76.0	BDL	61.8	BDL	BDL	66.1	BDL	BDL	BDL	53.1	BDL	702	1100
Benzo(a)pyrene	100	BDL	203	BDL	BDL	BDL	BDL	BDL	757	755	759	964	50000
Chrysene	120	BDL	103	BDL	BDL	78.4	BDL	BDL	84.0	85.9	BDL	873	61
Butylbenzylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	839	50000
Bis(2-Ethylhexyl)phthalate	160	BDL	106	BDL	BDL	BDL	BDL	BDL	443	322	974	740	50000
Chrysene	87.0	BDL	70.0	BDL	BDL	140	BDL	BDL	67.0	76.7	741	338	400
Cresols	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Dibenzo(a,h)anthracene	58.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	310	306	BDL	187	14
Dibenzofuran	BDL	BDL	BDL	BDL	BDL	705	703	BDL	BDL	BDL	BDL	BDL	6200
Diethylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	305	597	50000
Diphenylnitrosamine	BDL	BDL	BDL	BDL	58.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7900
Fluoranthene	130	BDL	67.7	BDL	BDL	170	43.3	BDL	112	97.1	BDL	1,035	50000
Fluorene	BDL	BDL	BDL	BDL	0.135	479	197	BDL	BDL	BDL	BDL	BDL	50000
Indeno(1,2,3-cd)pyrene	140	BDL	84.7	BDL	BDL	BDL	BDL	BDL	304	309	BDL	681	3200
2-Methylnaphthalene	BDL	BDL	BDL	BDL	15,400	30,800	29,900	BDL	BDL	BDL	BDL	660	36400
2-Methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
3&4-Methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Phenanthrene	BDL	BDL	BDL	BDL	BDL	410	245	174	61.2	BDL	BDL	407	50000
Phenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	30
Pyrene	BDL	BDL	113	BDL	56.6	181	91.8	BDL	97.5	91.5	1,160	1,010	50000

Contaminant	7/24/2004			NYSDEC Recommended Soil Cleanup Objectives
	East Tank East Wall	East Tank North Wall	East Tank South Wall	
Naphthalene	BDL	760	490	13000
Anthracene	BDL	BDL	BDL	50000
Acenaphthene	BDL	BDL	BDL	50000
Acenaphthylene	BDL	BDL	BDL	50000
Benzo(a)anthracene	210	54	BDL	224
Benzo(b)fluoranthene	170	70	BDL	1100
Benzo(k)fluoranthene	200	50	BDL	1100
Benzo(a)pyrene	130	BDL	BDL	50000
Chrysene	210	60	BDL	61
Butylbenzylphthalate	BDL	BDL	BDL	50000
Bis(2-Ethylhexyl)phthalate	BDL	BDL	BDL	50000
Chrysene	200	60	BDL	400
Cresols	BDL	BDL	200	NA
Dibenzo(a,h)anthracene	BDL	BDL	BDL	14
Dibenzofuran	BDL	BDL	BDL	6200
Diethylphthalate	BDL	BDL	BDL	50000
Diphenylnitrosamine	BDL	BDL	BDL	NA
1,2-Dichlorobenzene	BDL	BDL	BDL	7900
Fluoranthene	340	79	BDL	50000
Fluorene	BDL	BDL	BDL	50000
Indeno(1,2,3-cd)pyrene	110	BDL	BDL	3200
2-Methylnaphthalene	BDL	250	390	36400
2-Methylphenol	BDL	BDL	130	100
3&4-Methylphenol	BDL	BDL	76	NA
Phenanthrene	56	BDL	BDL	50000
Phenol	BDL	BDL	118	30
Pyrene	320	74	BDL	50000

1) All results reported as parts per billion (ppb)
2) Analysis performed in accordance with US EPA Method 8270
3) BDL - Below Detection Level
4) DEC Recommended Soil Cleanup Objective from TAGM 4046
5) Bold numerals exceed recommended soil cleanup objective values
6) NA = No Standard Available

APPENDIX A

TANK DISPOSAL AFFADAVITS

The Tyree Organization, LTD
1 Northway Lane, Latham, NY 12110 • fax 518-786-7351 • phone 518-786-3200

TANK DISPOSAL CERTIFICATION

This is to certify that *Tyree Organization, LTD* has cleaned and rendered free of petroleum residue the following tank(s) from Getty # 58014 (Site) at 5510 Broadway, Bronx, NY (Address):

1. 4,000 steel gallon tank
2. 4,000 steel gallon tank
3. 4,000 steel gallon tank
4. _____ gallon tank

The tank(s) are being accepted as scrap by the following

Name: —

Representing: Gershow Recycling ~~scrap yard~~ Medford, NY

On this date: 7/29/09

Tyree Organization, LTD representative: Isaiah Viervevas

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Laboratory Identifier: 0907347
Received: 07/24/2009 15:20
Sampled by: Gary Bohan
Job Number: 857851

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: Getty #58014
5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Testing Laboratories, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2913-9659	2.80	2.80	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2913-9659	0.60	0.60	ug/Kg	U
67-66-3	Chloroform	B2913-9659	0.64	0.64	ug/Kg	U
71-43-2	Benzene	B2913-9659	0.57	0.57	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2913-9659	0.56	0.56	ug/Kg	U
74-83-9	Bromomethane	B2913-9659	0.53	0.53	ug/Kg	U
74-87-3	Chloromethane	B2913-9659	0.54	0.54	ug/Kg	U
74-95-3	Dibromomethane	B2913-9659	0.85	0.85	ug/Kg	U
74-97-5	Bromochloromethane	B2913-9659	0.63	0.63	ug/Kg	U
75-00-3	Chloroethane	B2913-9659	0.76	0.76	ug/Kg	U
75-01-4	Vinyl Chloride	B2913-9659	0.73	0.73	ug/Kg	U
75-09-2	Methylene Chloride	B2913-9659	1.00	1.00	ug/Kg	U
75-15-0	Carbon disulfide	B2913-9659	0.51	0.51	ug/Kg	U
75-25-2	Bromoform	B2913-9659	0.52	0.52	ug/Kg	U
75-27-4	Bromodichloromethane	B2913-9659	0.51	0.51	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2913-9659	0.62	0.62	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2913-9659	0.40	0.40	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2913-9659	0.95	0.95	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2913-9659	5.80	5.80	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2913-9659	0.60	0.60	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2913-9659	0.40	0.40	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2913-9659	0.56	0.56	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2913-9659	0.64	0.64	ug/Kg	U
78-93-3	2-Butanone	B2913-9659	2.40	2.40	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2913-9659	0.68	0.68	ug/Kg	U
79-01-6	Trichloroethene	B2913-9659	0.53	0.53	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2913-9659	0.65	0.65	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2913-9659	0.52	0.52	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2913-9659	0.52	0.52	ug/Kg	U
91-20-3	Naphthalene	B2913-9659	0.49	0.49	ug/Kg	U
95-47-6	o-xylene	B2913-9659	0.42	0.42	ug/Kg	U
95-49-8	2-Chlorotoluene	B2913-9659	0.57	0.57	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2913-9659	0.51	0.51	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2913-9659	0.40	0.40	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2913-9659	0.43	0.43	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2913-9659	0.50	0.50	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2913-9659	0.77	0.77	ug/Kg	U
98-06-6	tert-Butylbenzene	B2913-9659	0.57	0.57	ug/Kg	U
98-82-8	Isopropylbenzene	B2913-9659	0.48	0.48	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2913-9659	0.51	0.51	ug/Kg	U
100-41-4	Ethylbenzene	B2913-9659	0.56	0.56	ug/Kg	U
100-42-5	Styrene	B2913-9659	0.46	0.46	ug/Kg	U
103-65-1	n-Propylbenzene	B2913-9659	0.50	0.50	ug/Kg	U
104-51-8	n-Butylbenzene	B2913-9659	0.52	0.52	ug/Kg	U
105-05-5	p-Diethylbenzene	B2913-9659	0.50	0.50	ug/Kg	U
106-43-4	4-Chlorotoluene	B2913-9659	0.54	0.54	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2913-9659	0.52	0.52	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2913-9659	0.64	0.64	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2913-9659	0.63	0.63	ug/Kg	U
107-13-1	Acrylonitrile	B2913-9659	7.50	7.50	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2913-9659	2.30	2.30	ug/Kg	U
108-38-3	m,p-xylene	B2913-9659	0.97	0.97	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2913-9659	0.48	0.48	ug/Kg	U
108-86-1	Bromobenzene	B2913-9659	0.55	0.55	ug/Kg	U
108-88-3	Toluene	B2913-9659	0.52	0.52	ug/Kg	U
108-90-7	Chlorobenzene	B2913-9659	0.66	0.66	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2913-9659	0.69	0.69	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2913-9659	0.37	0.37	ug/Kg	U
124-48-1	Dibromochloromethane	B2913-9659	0.50	0.50	ug/Kg	U
127-18-4	Tetrachloroethene	B2913-9659	0.49	0.49	ug/Kg	U
135-98-8	sec-Butylbenzene	B2913-9659	0.49	0.49	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2913-9659	0.56	0.56	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2913-9659	0.49	0.49	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2913-9659	0.50	0.50	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2913-9659	0.57	0.57	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2913-9659	0.57	0.57	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2913-9659	0.64	0.64	ug/Kg	U
591-78-6	2-Hexanone	B2913-9659	2.10	2.10	ug/Kg	U
622-96-8	p-Ethyltoluene	B2913-9659	0.45	0.45	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2913-9659	0.50	0.50	ug/Kg	U
994-05-8	TAME	B2913-9659	0.68	0.68	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2913-9659	0.56	0.56	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2913-9659	0.55	0.55	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2913-9659	0.45	0.45	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2913-9659	113.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2913-9659	95.4 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2913-9659	124.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2913-9659	111.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2913-9660	3.00	3.00	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2913-9660	0.64	0.64	ug/Kg	U
67-66-3	Chloroform	B2913-9660	0.68	0.68	ug/Kg	U
71-43-2	Benzene	B2913-9660	0.61	0.61	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2913-9660	0.60	0.60	ug/Kg	U
74-83-9	Bromomethane	B2913-9660	0.56	0.56	ug/Kg	U
74-87-3	Chloromethane	B2913-9660	0.58	0.58	ug/Kg	U
74-95-3	Dibromomethane	B2913-9660	0.91	0.91	ug/Kg	U
74-97-5	Bromochloromethane	B2913-9660	0.67	0.67	ug/Kg	U
75-00-3	Chloroethane	B2913-9660	0.81	0.81	ug/Kg	U
75-01-4	Vinyl Chloride	B2913-9660	0.78	0.78	ug/Kg	U
75-09-2	Methylene Chloride	B2913-9660	1.10	1.10	ug/Kg	U
75-15-0	Carbon disulfide	B2913-9660	0.54	0.54	ug/Kg	U
75-25-2	Bromoform	B2913-9660	0.55	0.55	ug/Kg	U
75-27-4	Bromodichloromethane	B2913-9660	0.54	0.54	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2913-9660	0.66	0.66	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2913-9660	0.43	0.43	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2913-9660	1.00	1.00	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2913-9660	6.20	6.20	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2913-9660	0.64	0.64	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2913-9660	0.43	0.43	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2913-9660	0.60	0.60	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2913-9660	0.68	0.68	ug/Kg	U
78-93-3	2-Butanone	B2913-9660	2.60	2.60	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2913-9660	0.72	0.72	ug/Kg	U
79-01-6	Trichloroethene	B2913-9660	0.56	0.56	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2913-9660	0.69	0.69	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2913-9660	0.55	0.55	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2913-9660	0.55	0.55	ug/Kg	U
91-20-3	Naphthalene	B2913-9660	0.52	0.52	ug/Kg	U
95-47-6	o-xylene	B2913-9660	0.45	0.45	ug/Kg	U
95-49-8	2-Chlorotoluene	B2913-9660	0.61	0.61	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2913-9660	0.54	0.54	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2913-9660	0.43	0.43	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2913-9660	0.46	0.46	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2913-9660	0.53	0.53	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2913-9660	0.82	0.82	ug/Kg	U
98-06-6	tert-Butylbenzene	B2913-9660	0.61	0.61	ug/Kg	U
98-82-8	Isopropylbenzene	B2913-9660	0.51	0.51	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2913-9660	0.54	0.54	ug/Kg	U
100-41-4	Ethylbenzene	B2913-9660	0.60	0.60	ug/Kg	U
100-42-5	Styrene	B2913-9660	0.49	0.49	ug/Kg	U
103-65-1	n-Propylbenzene	B2913-9660	0.53	0.53	ug/Kg	U
104-51-8	n-Butylbenzene	B2913-9660	0.55	0.55	ug/Kg	U
105-05-5	p-Diethylbenzene	B2913-9660	0.53	0.53	ug/Kg	U
106-43-4	4-Chlorotoluene	B2913-9660	0.58	0.58	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2913-9660	0.55	0.55	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2913-9660	0.68	0.68	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2913-9660	0.67	0.67	ug/Kg	U
107-13-1	Acrylonitrile	B2913-9660	8.00	8.00	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2913-9660	2.50	2.50	ug/Kg	U
108-38-3	m,p-xylene	B2913-9660	1.00	1.00	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2913-9660	0.51	0.51	ug/Kg	U
108-86-1	Bromobenzene	B2913-9660	0.59	0.59	ug/Kg	U
108-88-3	Toluene	B2913-9660	0.55	0.55	ug/Kg	U
108-90-7	Chlorobenzene	B2913-9660	0.70	0.70	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2913-9660	0.74	0.74	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2913-9660	0.39	0.39	ug/Kg	U
124-48-1	Dibromochloromethane	B2913-9660	0.53	0.53	ug/Kg	U
127-18-4	Tetrachloroethene	B2913-9660	0.52	0.52	ug/Kg	U
135-98-8	sec-Butylbenzene	B2913-9660	0.52	0.52	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2913-9660	0.60	0.60	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2913-9660	0.52	0.52	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2913-9660	0.53	0.53	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2913-9660	0.61	0.61	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2913-9660	0.61	0.61	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2913-9660	0.68	0.68	ug/Kg	U
591-78-6	2-Hexanone	B2913-9660	2.30	2.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2913-9660	0.48	0.48	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2913-9660	0.53	0.53	ug/Kg	U
994-05-8	TAME	B2913-9660	0.72	0.72	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2913-9660	0.60	0.60	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2913-9660	0.59	0.59	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2913-9660	0.48	0.48	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2913-9660	111.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2913-9660	96.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2913-9660	121.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2913-9660	111.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3717	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3717	47.0	47.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3717	29.0	29.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3717	46.0	46.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3717	57.0	57.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3717	72.0	72.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3717	45.0	45.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3717	33.0	33.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3717	69.0	69.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3717	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3717	880	880	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3717	47.0	47.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3717	64.0	64.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3717	40.0	40.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3717	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3717	34.0	34.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3717	59.0	59.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3717	44.0	44.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3717	55.0	55.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3717	37.0	37.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3717	72.0	72.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3717	85.0	85.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3717	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3717	50.0	50.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3717	54.0	54.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3717	46.0	46.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3717	59.0	59.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3717	50.0	50.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3717	66.0	66.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3717	35.0	35.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3717	39.0	39.0	ug/Kg	U
62-53-3	Aniline	B2529-3717	48.0	48.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3717	34.0	34.0	ug/Kg	U
92-87-5	Benzidine	B2529-3717	77.0	77.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3717	54.0	54.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3717	48.0	48.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2529-3717	66.0	66.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2529-3717	54.0	54.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2529-3717	47.0	47.0	ug/Kg	U
65-85-0	Benzoic acid	B2529-3717	4960	4960	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3717	62.0	62.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3717	62.0	62.0	ug/Kg	U
86-74-8	Carbazole	B2529-3717	61.0	61.0	ug/Kg	U
218-01-9	Chrysene	B2529-3717	51.0	51.0	ug/Kg	U
	Cresols	B2529-3717	96.0	96.0	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3717	50.0	50.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3717	52.0	52.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3717	35.0	35.0	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3717	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3717	58.0	58.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3717	44.0	44.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3717	49.0	49.0	ug/Kg	U
86-73-7	Fluorene	B2529-3717	42.0	42.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3717	65.0	65.0	ug/Kg	U
87-66-3	Hexachlorobutadiene	B2529-3717	67.0	67.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3717	210	210	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3717	63.0	63.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3717	50.0	50.0	ug/Kg	U
78-59-1	Isophorone	B2529-3717	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3717	85.0	85.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3717	100	100	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3717	44.0	44.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3717	51.0	51.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3717	86.0	86.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3717	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2529-3717	52.0	52.0	ug/Kg	U
108-95-2	Phenol	B2529-3717	70.0	70.0	ug/Kg	U
129-00-0	Pyrene	B2529-3717	44.0	44.0	ug/Kg	U
110-86-1	Pyridine	B2529-3717	53.0	53.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3717	52.0	52.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3717	36.0	36.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3717	36.0	36.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3717	64.0	64.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3717	67.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3717	58.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3717	35.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3717	30.1 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3717	38.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3717	71.7 %	(18 - 137)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3718	23.0	23.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3718	50.0	50.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3718	30.0	30.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3718	49.0	49.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3718	61.0	61.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3718	77.0	77.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3718	48.0	48.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3718	35.0	35.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3718	73.0	73.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3718	46.0	46.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3718	930	930	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3718	50.0	50.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3718	68.0	68.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3718	43.0	43.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3718	34.0	34.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3718	36.0	36.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3718	62.0	62.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3718	47.0	47.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3718	59.0	59.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3718	39.0	39.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3718	76.0	76.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3718	91.0	91.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3718	120	120	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3718	53.0	53.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3718	58.0	58.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3718	49.0	49.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3718	63.0	63.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3718	53.0	53.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3718	70.0	70.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3718	38.0	38.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3718	41.0	41.0	ug/Kg	U
62-53-3	Aniline	B2529-3718	51.0	51.0	ug/Kg	U

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208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3718	36.0	36.0	ug/Kg	U
92-87-5	Benzidine	B2529-3718	82.0	82.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3718	58.0	58.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3718	51.0	51.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2529-3718	70.0	70.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2529-3718	57.0	57.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2529-3718	50.0	50.0	ug/Kg	U
65-85-0	Benzoic acid	B2529-3718	5280	5280	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3718	66.0	66.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3718	66.0	66.0	ug/Kg	U
86-74-8	Carbazole	B2529-3718	65.0	65.0	ug/Kg	U
218-01-9	Chrysene	B2529-3718	54.0	54.0	ug/Kg	U
	Cresols	B2529-3718	100	100	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3718	53.0	53.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3718	55.0	55.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3718	37.0	37.0	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3718	35.0	35.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3718	61.0	61.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3718	47.0	47.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3718	52.0	52.0	ug/Kg	U
86-73-7	Fluorene	B2529-3718	45.0	45.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3718	69.0	69.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3718	71.0	71.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3718	220	220	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3718	67.0	67.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3718	53.0	53.0	ug/Kg	U
78-59-1	Isophorone	B2529-3718	25.0	25.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3718	90.0	90.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3718	110	110	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3718	47.0	47.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3718	55.0	55.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3718	91.0	91.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3718	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2529-3718	56.0	56.0	ug/Kg	U
108-95-2	Phenol	B2529-3718	74.0	74.0	ug/Kg	U
129-00-0	Pyrene	B2529-3718	47.0	47.0	ug/Kg	U
110-86-1	Pyridine	B2529-3718	56.0	56.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3718	56.0	56.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3718	38.0	38.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3718	38.0	38.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3718	69.0	69.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3718	76.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3718	58.0 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3718	51.1 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3718	56.2 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3718	52.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3718	81.9 %	(18 - 137)	

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07/30/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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07/30/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Laboratory Identifier: 0907350
Received: 07/24/2009 15:35
Sampled by: Gary Bohan
Job Number: 857851

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: Getty #58014
5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2914-9666	2.80	2.80	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2914-9666	0.61	0.61	ug/Kg	U
67-66-3	Chloroform	B2914-9666	0.64	0.64	ug/Kg	U
71-43-2	Benzene	B2914-9666	0.58	0.58	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2914-9666	0.57	0.57	ug/Kg	U
74-83-9	Bromomethane	B2914-9666	0.53	0.53	ug/Kg	U
74-87-3	Chloromethane	B2914-9666	0.55	0.55	ug/Kg	U
74-95-3	Dibromomethane	B2914-9666	0.86	0.86	ug/Kg	U
74-97-5	Bromochloromethane	B2914-9666	0.63	0.63	ug/Kg	U
75-00-3	Chloroethane	B2914-9666	0.76	0.76	ug/Kg	U
75-01-4	Vinyl Chloride	B2914-9666	0.74	0.74	ug/Kg	U
75-09-2	Methylene Chloride	B2914-9666	1.00	1.00	ug/Kg	U
75-15-0	Carbon disulfide	B2914-9666	0.51	0.51	ug/Kg	U
75-25-2	Bromoform	B2914-9666	0.52	0.52	ug/Kg	U
75-27-4	Bromodichloromethane	B2914-9666	0.51	0.51	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2914-9666	0.62	0.62	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2914-9666	0.40	0.40	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2914-9666	0.96	0.96	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2914-9666	5.90	5.90	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2914-9666	0.61	0.61	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2914-9666	0.40	0.40	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2914-9666	0.57	0.57	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2914-9666	0.64	0.64	ug/Kg	U
78-93-3	2-Butanone	B2914-9666	2.40	2.40	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2914-9666	0.69	0.69	ug/Kg	U
79-01-6	Trichloroethene	B2914-9666	0.53	0.53	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2914-9666	0.65	0.65	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2914-9666	0.52	0.52	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2914-9666	0.52	0.52	ug/Kg	U
91-20-3	Naphthalene	B2914-9666	0.49	0.49	ug/Kg	U
95-47-6	o-xylene	B2914-9666	0.43	0.43	ug/Kg	U
95-49-8	2-Chlorotoluene	B2914-9666	0.58	0.58	ug/Kg	U

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208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2914-9666	0.51	0.51	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2914-9666	0.40	0.40	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2914-9666	0.44	0.44	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2914-9666	0.50	0.50	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2914-9666	0.77	0.77	ug/Kg	U
98-06-6	tert-Butylbenzene	B2914-9666	0.58	0.58	ug/Kg	U
98-82-8	Isopropylbenzene	B2914-9666	0.48	0.48	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2914-9666	0.51	0.51	ug/Kg	U
100-41-4	Ethylbenzene	B2914-9666	0.57	0.57	ug/Kg	U
100-42-5	Styrene	B2914-9666	0.47	0.47	ug/Kg	U
103-65-1	n-Propylbenzene	B2914-9666	0.50	0.50	ug/Kg	U
104-51-8	n-Butylbenzene	B2914-9666	0.52	0.52	ug/Kg	U
105-05-5	p-Diethylbenzene	B2914-9666	0.50	0.50	ug/Kg	U
106-43-4	4-Chlorotoluene	B2914-9666	0.55	0.55	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2914-9666	0.52	0.52	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2914-9666	0.64	0.64	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2914-9666	0.63	0.63	ug/Kg	U
107-13-1	Acrylonitrile	B2914-9666	7.60	7.60	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2914-9666	2.30	2.30	ug/Kg	U
108-38-3	m,p-xylene	B2914-9666	0.98	0.98	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2914-9666	0.48	0.48	ug/Kg	U
108-86-1	Bromobenzene	B2914-9666	0.56	0.56	ug/Kg	U
108-88-3	Toluene	B2914-9666	0.52	0.52	ug/Kg	U
108-90-7	Chlorobenzene	B2914-9666	0.66	0.66	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2914-9666	0.70	0.70	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2914-9666	0.37	0.37	ug/Kg	U
124-48-1	Dibromochloromethane	B2914-9666	0.50	0.50	ug/Kg	U
127-18-4	Tetrachloroethene	B2914-9666	0.49	0.49	ug/Kg	U
135-98-8	sec-Butylbenzene	B2914-9666	0.49	0.49	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2914-9666	0.57	0.57	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2914-9666	0.49	0.49	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2914-9666	0.50	0.50	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2914-9666	0.58	0.58	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2914-9666	0.58	0.58	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2914-9666	0.64	0.64	ug/Kg	U
591-78-6	2-Hexanone	B2914-9666	2.20	2.20	ug/Kg	U
622-96-8	p-Ethyltoluene	B2914-9666	0.46	0.46	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2914-9666	0.50	0.50	ug/Kg	U
994-05-8	TAME	B2914-9666	0.69	0.69	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2914-9666	0.57	0.57	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2914-9666	0.56	0.56	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2914-9666	0.46	0.46	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2914-9666	110.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2914-9666	97.2 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2914-9666	120.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2914-9666	105.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3723	22.1	22.1	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3723	47.3	47.3	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3723	28.7	28.7	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3723	46.3	46.3	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3723	57.5	57.5	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3723	72.6	72.6	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3723	45.1	45.1	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3723	33.1	33.1	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3723	68.9	68.9	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3723	43.3	43.3	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3723	883	883	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3723	47.4	47.4	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3723	64.5	64.5	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3723	40.6	40.6	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3723	32.4	32.4	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3723	33.9	33.9	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3723	59.0	59.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3723	44.6	44.6	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3723	55.5	55.5	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3723	37.1	37.1	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3723	72.2	72.2	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3723	85.9	85.9	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3723	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3723	50.1	50.1	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3723	54.4	54.4	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3723	46.4	46.4	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3723	59.6	59.6	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3723	50.4	50.4	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3723	66.0	66.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3723	35.7	35.7	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3723	39.1	39.1	ug/Kg	U
62-53-3	Aniline	B2529-3723	48.6	48.6	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3723	33.8	33.8	ug/Kg	U
92-87-5	Benzidine	B2529-3723	77.7	77.7	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3723	54.4	54.4	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3723	48.1	**103**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2529-3723	66.2	**80.7**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2529-3723	54.0	**203**	ug/Kg	J
207-08-9	Benzo(k)fluoranthene	B2529-3723	47.2	**61.6**	ug/Kg	J
65-85-0	Benzoic acid	B2529-3723	4980	4980	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3723	61.9	61.9	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3723	62.2	62.2	ug/Kg	U
86-74-8	Carbazole	B2529-3723	61.0	61.0	ug/Kg	U
218-01-9	Chrysene	B2529-3723	51.0	**70.9**	ug/Kg	J
	Cresols	B2529-3723	96.1	96.1	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3723	49.9	49.9	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3723	52.1	52.1	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3723	34.9	34.9	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3723	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3723	58.1	58.1	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3723	44.1	44.1	ug/Kg	U
206-44-0	Fluoranthene	B2529-3723	49.6	**62.2**	ug/Kg	J
86-73-7	Fluorene	B2529-3723	42.5	42.5	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3723	64.9	64.9	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3723	67.5	67.5	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3723	211	211	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3723	63.3	63.3	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3723	50.3	**84.2**	ug/Kg	J
78-59-1	Isophorone	B2529-3723	24.1	24.1	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3723	85.0	85.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3723	101	101	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3723	44.6	44.6	ug/Kg	U
91-20-3	Naphthalene	B2529-3723	51.8	51.8	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3723	86.0	86.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3723	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2529-3723	52.8	52.8	ug/Kg	U
108-95-2	Phenol	B2529-3723	70.1	70.1	ug/Kg	U
129-00-0	Pyrene	B2529-3723	44.5	113	ug/Kg	J
110-86-1	Pyridine	B2529-3723	53.1	53.1	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3723	52.6	52.6	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3723	36.4	36.4	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3723	35.8	35.8	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3723	64.7	166	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3723	90.5 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3723	65.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3723	59.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3723	63.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3723	59.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3723	100.0 %	(18 - 137)	

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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

September 2009

	S	M	T	W	T	F	S
35			1	2	3	4	5
36	6	7	8	9	10	11	12
37	13	14	15	16	17	18	19
38	20	21	22	23	24	25	26
39	27	28	29	30			

November 2009

	S	M	T	W	T	F	S
44	1	2	3	4	5	6	7
45	8	9	10	11	12	13	14
46	15	16	17	18	19	20	21
47	22	23	24	25	26	27	28
48	29	30					

October 2009

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
40	4	5	6	7	8	9	10
41	11	12	13	14	15	16	17
42	18	19	20	21	22	23	24
43	25	26	27	28	29	30	31

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Laboratory Identifier: 0907348

Received: 07/24/2009 15:25
Sampled by: Gary Bohan
Job Number: 857851

Client: Tyree Environmental Corp. (NY-G) (V#28741)

1 Northway Lane
Latham,
NY 12110

Project: Getty #58014

5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2914-9667	3.00	3.00	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2914-9667	0.66	0.66	ug/Kg	U
67-66-3	Chloroform	B2914-9667	0.69	0.69	ug/Kg	U
71-43-2	Benzene	B2914-9667	0.62	0.62	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2914-9667	0.61	0.61	ug/Kg	U
74-83-9	Bromomethane	B2914-9667	0.57	0.57	ug/Kg	U
74-87-3	Chloromethane	B2914-9667	0.58	0.58	ug/Kg	U
74-95-3	Dibromomethane	B2914-9667	0.92	0.92	ug/Kg	U
74-97-5	Bromochloromethane	B2914-9667	0.68	0.68	ug/Kg	U
75-00-3	Chloroethane	B2914-9667	0.82	0.82	ug/Kg	U
75-01-4	Vinyl Chloride	B2914-9667	0.80	0.80	ug/Kg	U
75-09-2	Methylene Chloride	B2914-9667	1.10	1.10	ug/Kg	U
75-15-0	Carbon disulfide	B2914-9667	0.55	0.55	ug/Kg	U
75-25-2	Bromoform	B2914-9667	0.56	0.56	ug/Kg	U
75-27-4	Bromodichloromethane	B2914-9667	0.55	0.55	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2914-9667	0.67	0.67	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2914-9667	0.43	0.43	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2914-9667	1.00	1.00	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2914-9667	6.30	6.30	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2914-9667	0.66	0.66	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2914-9667	0.43	0.43	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2914-9667	0.61	0.61	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2914-9667	0.69	0.69	ug/Kg	U
78-93-3	2-Butanone	B2914-9667	2.60	2.60	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2914-9667	0.74	0.74	ug/Kg	U
79-01-6	Trichloroethene	B2914-9667	0.57	0.57	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2914-9667	0.70	0.70	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2914-9667	0.56	0.56	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2914-9667	0.56	0.56	ug/Kg	U
91-20-3	Naphthalene	B2914-9667	0.53	0.53	ug/Kg	U
95-47-6	o-xylene	B2914-9667	0.46	0.46	ug/Kg	U
95-49-8	2-Chlorotoluene	B2914-9667	0.62	0.62	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2914-9667	0.55	0.55	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2914-9667	0.43	0.43	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2914-9667	0.47	0.47	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2914-9667	0.54	0.54	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2914-9667	0.83	0.83	ug/Kg	U
98-06-6	tert-Butylbenzene	B2914-9667	0.62	0.62	ug/Kg	U
98-82-8	Isopropylbenzene	B2914-9667	0.51	0.51	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2914-9667	0.55	0.55	ug/Kg	U
100-41-4	Ethylbenzene	B2914-9667	0.61	0.61	ug/Kg	U
100-42-5	Styrene	B2914-9667	0.50	0.50	ug/Kg	U
103-65-1	n-Propylbenzene	B2914-9667	0.54	0.54	ug/Kg	U
104-51-8	n-Butylbenzene	B2914-9667	0.56	0.56	ug/Kg	U
105-05-5	p-Diethylbenzene	B2914-9667	0.54	0.54	ug/Kg	U
106-43-4	4-Chlorotoluene	B2914-9667	0.58	0.58	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2914-9667	0.56	0.56	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2914-9667	0.69	0.69	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2914-9667	0.68	0.68	ug/Kg	U
107-13-1	Acrylonitrile	B2914-9667	8.20	8.20	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2914-9667	2.50	2.50	ug/Kg	U
108-38-3	m,p-xylene	B2914-9667	1.10	1.10	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2914-9667	0.51	0.51	ug/Kg	U
108-86-1	Bromobenzene	B2914-9667	0.60	0.60	ug/Kg	U
108-88-3	Toluene	B2914-9667	0.56	0.56	ug/Kg	U
108-90-7	Chlorobenzene	B2914-9667	0.71	0.71	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2914-9667	0.75	0.75	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2914-9667	0.40	0.40	ug/Kg	U
124-48-1	Dibromochloromethane	B2914-9667	0.54	0.54	ug/Kg	U
127-18-4	Tetrachloroethene	B2914-9667	0.53	0.53	ug/Kg	U
135-98-8	sec-Butylbenzene	B2914-9667	0.53	0.53	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2914-9667	0.61	0.61	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2914-9667	0.53	0.53	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2914-9667	0.54	0.54	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2914-9667	0.62	0.62	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2914-9667	0.62	0.62	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2914-9667	0.69	0.69	ug/Kg	U
591-78-6	2-Hexanone	B2914-9667	2.30	2.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2914-9667	0.49	0.49	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2914-9667	0.54	0.54	ug/Kg	U
994-05-8	TAME	B2914-9667	0.74	0.74	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2914-9667	0.61	0.61	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2914-9667	0.60	0.60	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2914-9667	0.49	0.49	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2914-9667	110.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2914-9667	95.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2914-9667	120.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2914-9667	110.0 %	(74 - 125)	

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2914-9669	3.00	3.00	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2914-9669	0.64	0.64	ug/Kg	U
67-66-3	Chloroform	B2914-9669	0.68	0.68	ug/Kg	U
71-43-2	Benzene	B2914-9669	0.61	0.61	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2914-9669	0.60	0.60	ug/Kg	U
74-83-9	Bromomethane	B2914-9669	0.56	0.56	ug/Kg	U
74-87-3	Chloromethane	B2914-9669	0.58	0.58	ug/Kg	U
74-95-3	Dibromomethane	B2914-9669	0.91	0.91	ug/Kg	U
74-97-5	Bromochloromethane	B2914-9669	0.67	0.67	ug/Kg	U
75-00-3	Chloroethane	B2914-9669	0.81	0.81	ug/Kg	U
75-01-4	Vinyl Chloride	B2914-9669	0.78	0.78	ug/Kg	U
75-09-2	Methylene Chloride	B2914-9669	1.10	1.10	ug/Kg	U
75-15-0	Carbon disulfide	B2914-9669	0.54	0.54	ug/Kg	U
75-25-2	Bromoform	B2914-9669	0.55	0.55	ug/Kg	U
75-27-4	Bromodichloromethane	B2914-9669	0.54	0.54	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2914-9669	0.66	0.66	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2914-9669	0.43	0.43	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2914-9669	1.00	1.00	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2914-9669	6.20	6.20	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2914-9669	0.64	0.64	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2914-9669	0.43	0.43	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2914-9669	0.60	0.60	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2914-9669	0.68	0.68	ug/Kg	U
78-93-3	2-Butanone	B2914-9669	2.60	2.60	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2914-9669	0.72	0.72	ug/Kg	U
79-01-6	Trichloroethene	B2914-9669	0.56	0.56	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2914-9669	0.69	0.69	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2914-9669	0.55	0.55	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2914-9669	0.55	0.55	ug/Kg	U
91-20-3	Naphthalene	B2914-9669	0.52	0.52	ug/Kg	U
95-47-6	o-xylene	B2914-9669	0.45	0.45	ug/Kg	U
95-49-8	2-Chlorotoluene	B2914-9669	0.61	0.61	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2914-9669	0.54	0.54	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2914-9669	0.43	0.43	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2914-9669	0.46	**0.76**	ug/Kg	J
96-12-8	1,2-Dibromo-3-chloropropane	B2914-9669	0.53	0.53	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2914-9669	0.82	0.82	ug/Kg	U
98-06-6	tert-Butylbenzene	B2914-9669	0.61	0.61	ug/Kg	U
98-82-8	Isopropylbenzene	B2914-9669	0.51	0.51	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2914-9669	0.54	0.54	ug/Kg	U
100-41-4	Ethylbenzene	B2914-9669	0.60	0.60	ug/Kg	U
100-42-5	Styrene	B2914-9669	0.49	0.49	ug/Kg	U
103-65-1	n-Propylbenzene	B2914-9669	0.53	0.53	ug/Kg	U
104-51-8	n-Butylbenzene	B2914-9669	0.55	0.55	ug/Kg	U
105-05-5	p-Diethylbenzene	B2914-9669	0.53	0.53	ug/Kg	U
106-43-4	4-Chlorotoluene	B2914-9669	0.58	0.58	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2914-9669	0.55	0.55	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2914-9669	0.68	0.68	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2914-9669	0.67	0.67	ug/Kg	U
107-13-1	Acrylonitrile	B2914-9669	8.00	8.00	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2914-9669	2.50	2.50	ug/Kg	U
108-38-3	m,p-xylene	B2914-9669	1.00	1.00	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2914-9669	0.51	0.51	ug/Kg	U
108-86-1	Bromobenzene	B2914-9669	0.59	0.59	ug/Kg	U
108-88-3	Toluene	B2914-9669	0.55	0.55	ug/Kg	U
108-90-7	Chlorobenzene	B2914-9669	0.70	0.70	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2914-9669	0.74	0.74	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2914-9669	0.39	0.39	ug/Kg	U
124-48-1	Dibromochloromethane	B2914-9669	0.53	0.53	ug/Kg	U
127-18-4	Tetrachloroethene	B2914-9669	0.52	0.52	ug/Kg	U
135-98-8	sec-Butylbenzene	B2914-9669	0.52	0.52	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2914-9669	0.60	0.60	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2914-9669	0.52	0.52	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2914-9669	0.53	0.53	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2914-9669	0.61	0.61	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2914-9669	0.61	0.61	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2914-9669	0.68	0.68	ug/Kg	U
591-78-6	2-Hexanone	B2914-9669	2.30	2.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2914-9669	0.48	0.48	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2914-9669	0.53	0.53	ug/Kg	U
994-05-8	TAME	B2914-9669	0.72	0.72	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2914-9669	0.60	0.60	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2914-9669	0.59	0.59	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2914-9669	0.48	0.48	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2914-9669	112.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2914-9669	94.0 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2914-9669	115.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2914-9669	104.0 %	(74 - 125)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Collected: 07/21/2009 12:00
Matrix: Soil Type: Grab % Solid: 85.6%
Remarks:
Analyzed Date: 07/29/2009
Preparation Date(s) : 07/27/2009

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3724	24.0	24.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3724	51.0	51.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3724	31.0	31.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3724	50.0	50.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3724	62.0	62.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3724	78.0	78.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3724	49.0	49.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3724	36.0	36.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3724	74.0	74.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3724	47.0	47.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3724	950	950	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3724	51.0	51.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3724	69.0	69.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3724	44.0	44.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3724	35.0	35.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3724	36.0	36.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3724	63.0	63.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3724	48.0	48.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3724	60.0	60.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3724	40.0	40.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3724	78.0	78.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3724	92.0	92.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3724	120	120	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3724	54.0	54.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3724	59.0	59.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3724	50.0	50.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3724	64.0	64.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3724	54.0	54.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3724	71.0	71.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3724	38.0	38.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3724	42.0	42.0	ug/Kg	U
62-53-3	Aniline	B2529-3724	52.0	52.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Collected: 07/21/2009 12:00
Matrix: Soil
Type: Grab
% Solid: 85.6%
Remarks:
Analyzed Date: 07/29/2009
Preparation Date(s) : 07/27/2009

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3724	36.0	**38.0**	ug/Kg	J
92-87-5	Benzidine	B2529-3724	84.0	84.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3724	59.0	**92.0**	ug/Kg	J
50-32-8	Benzo(a)pyrene	B2529-3724	52.0	**120**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2529-3724	71.0	**79.0**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2529-3724	58.0	**190**	ug/Kg	J
207-08-9	Benzo(k)fluoranthene	B2529-3724	51.0	**76.0**	ug/Kg	J
65-85-0	Benzoic acid	B2529-3724	5360	5360	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3724	67.0	67.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3724	67.0	67.0	ug/Kg	U
86-74-8	Carbazole	B2529-3724	66.0	66.0	ug/Kg	U
218-01-9	Chrysene	B2529-3724	55.0	**87.0**	ug/Kg	J
	Cresols	B2529-3724	100	100	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3724	54.0	54.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3724	56.0	56.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3724	37.0	**58.0**	ug/Kg	J
132-64-9	Dibenzofuran	B2529-3724	35.0	35.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3724	63.0	63.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3724	47.0	47.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3724	53.0	**130**	ug/Kg	J
86-73-7	Fluorene	B2529-3724	46.0	46.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3724	70.0	70.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3724	73.0	73.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3724	230	230	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3724	68.0	68.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3724	54.0	**140**	ug/Kg	J
78-59-1	Isophorone	B2529-3724	26.0	26.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3724	91.0	91.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3724	110	110	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3724	48.0	48.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3724	56.0	56.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3724	92.0	92.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/29/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3724	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2529-3724	57.0	57.0	ug/Kg	U
108-95-2	Phenol	B2529-3724	75.0	75.0	ug/Kg	U
129-00-0	Pyrene	B2529-3724	48.0	140	ug/Kg	J
110-86-1	Pyridine	B2529-3724	57.0	57.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3724	57.0	57.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3724	39.0	39.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3724	39.0	39.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3724	70.0	180	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3724	98.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3724	58.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3724	47.9 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3724	38.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3724	54.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3724	76.7 %	(18 - 137)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3722	24.0	24.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3722	50.0	50.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3722	30.0	30.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3722	49.0	49.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3722	61.0	61.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3722	77.0	77.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3722	48.0	48.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3722	35.0	35.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3722	73.0	73.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3722	46.0	46.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3722	940	940	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3722	51.0	51.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3722	69.0	69.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3722	43.0	43.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3722	34.0	34.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3722	36.0	36.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3722	63.0	63.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3722	48.0	48.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3722	59.0	59.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3722	40.0	40.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3722	77.0	77.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3722	91.0	91.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3722	120	120	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3722	53.0	53.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3722	58.0	58.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3722	49.0	49.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3722	63.0	63.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3722	54.0	54.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3722	70.0	70.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3722	38.0	38.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3722	42.0	42.0	ug/Kg	U
62-53-3	Aniline	B2529-3722	52.0	52.0	ug/Kg	U

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3722	36.0	36.0	ug/Kg	U
92-87-5	Benzidine	B2529-3722	83.0	83.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3722	58.0	58.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3722	51.0	51.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2529-3722	70.0	70.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2529-3722	57.0	57.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2529-3722	50.0	50.0	ug/Kg	U
65-85-0	Benzoic acid	B2529-3722	5300	5300	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3722	66.0	66.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3722	66.0	66.0	ug/Kg	U
86-74-8	Carbazole	B2529-3722	65.0	65.0	ug/Kg	U
218-01-9	Chrysene	B2529-3722	54.0	54.0	ug/Kg	U
	Cresols	B2529-3722	100	100	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3722	53.0	53.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3722	55.0	55.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3722	37.0	37.0	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3722	35.0	35.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3722	62.0	62.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3722	47.0	47.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3722	53.0	53.0	ug/Kg	U
86-73-7	Fluorene	B2529-3722	45.0	45.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3722	69.0	69.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3722	72.0	72.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3722	220	220	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3722	67.0	67.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3722	53.0	53.0	ug/Kg	U
78-59-1	Isophorone	B2529-3722	26.0	26.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3722	90.0	90.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3722	110	110	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3722	48.0	48.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3722	55.0	55.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3722	91.0	91.0	ug/Kg	U

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3722	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2529-3722	56.0	56.0	ug/Kg	U
108-95-2	Phenol	B2529-3722	75.0	75.0	ug/Kg	U
129-00-0	Pyrene	B2529-3722	47.0	47.0	ug/Kg	U
110-86-1	Pyridine	B2529-3722	57.0	57.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3722	56.0	56.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3722	39.0	39.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3722	38.0	38.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3722	69.0	69.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3722	80.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3722	58.9 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3722	54.3 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3722	61.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3722	55.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3722	82.9 %	(18 - 137)	

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07/30/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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07/30/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

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08/05/2009

Laboratory Identifier: 0907442
Received: 07/31/2009 15:30
Sampled by: Gary Bohan

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: GETTY 58014
5510 Broadway
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	C3316-7998	1640	1640	ug/Kg	U
56-23-5	Carbon Tetrachloride	C3316-7998	250	250	ug/Kg	U
67-66-3	Chloroform	C3316-7998	260	260	ug/Kg	U
71-43-2	Benzene	C3316-7998	240	**1530**	ug/Kg	J
71-55-6	1,1,1-Trichloroethane	C3316-7998	290	290	ug/Kg	U
74-83-9	Bromomethane	C3316-7998	330	330	ug/Kg	U
74-87-3	Chloromethane	C3316-7998	290	290	ug/Kg	U
74-95-3	Dibromomethane	C3316-7998	260	260	ug/Kg	U
74-97-5	Bromochloromethane	C3316-7998	300	300	ug/Kg	U
75-00-3	Chloroethane	C3316-7998	530	530	ug/Kg	U
75-01-4	Vinyl Chloride	C3316-7998	240	240	ug/Kg	U
75-09-2	Methylene Chloride	C3316-7998	220	220	ug/Kg	U
75-15-0	Carbon disulfide	C3316-7998	220	220	ug/Kg	U
75-25-2	Bromoform	C3316-7998	210	210	ug/Kg	U
75-27-4	Bromodichloromethane	C3316-7998	280	280	ug/Kg	U
75-34-3	1,1-Dichloroethane	C3316-7998	170	170	ug/Kg	U
75-35-4	1,1-Dichloroethene	C3316-7998	210	210	ug/Kg	U
75-45-6	Chlorodifluoromethane	C3316-7998	260	260	ug/Kg	U
75-65-0	Tertiary butyl alcohol	C3316-7998	5000	5000	ug/Kg	U
75-69-4	Trichlorofluoromethane	C3316-7998	290	290	ug/Kg	U
75-71-8	Dichlorodifluoromethane	C3316-7998	270	270	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3316-7998	260	260	ug/Kg	U
78-87-5	1,2-Dichloropropane	C3316-7998	290	290	ug/Kg	U
78-93-3	2-Butanone	C3316-7998	1080	1080	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	C3316-7998	290	290	ug/Kg	U
79-01-6	Trichloroethene	C3316-7998	260	260	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	C3316-7998	260	260	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	C3316-7998	200	200	ug/Kg	U
87-68-3	Hexachlorobutadiene	C3316-7998	300	300	ug/Kg	U
91-20-3	Naphthalene	C3316-7998	180	**50900**	ug/Kg	
95-47-6	o-xylene	C3316-8003	2070	**228000**	ug/Kg	
95-49-8	2-Chlorotoluene	C3316-7998	200	200	ug/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	C3316-7998	270	270	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3316-8003	2460	**422000**	ug/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	C3316-7998	200	**38700**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	C3316-7998	160	160	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	C3316-7998	300	300	ug/Kg	U
98-06-6	tert-Butylbenzene	C3316-7998	250	250	ug/Kg	U
98-82-8	Isopropylbenzene	C3316-7998	250	**13100**	ug/Kg	
99-87-6	4-Isopropyltoluene	C3316-7998	190	**11600**	ug/Kg	
100-41-4	Ethylbenzene	C3316-8003	2300	**126000**	ug/Kg	
100-42-5	Styrene	C3316-7998	220	220	ug/Kg	U
103-65-1	n-Propylbenzene	C3316-7998	230	**55500**	ug/Kg	
104-51-8	n-Butylbenzene	C3316-7998	240	**26800**	ug/Kg	
105-05-5	p-Diethylbenzene	C3316-8003	2180	**129000**	ug/Kg	
106-43-4	4-Chlorotoluene	C3316-7998	290	290	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C3316-7998	220	220	ug/Kg	U
106-93-4	1,2-Dibromoethane	C3316-7998	260	260	ug/Kg	U
107-06-2	1,2-Dichloroethane	C3316-7998	280	280	ug/Kg	U
107-13-1	Acrylonitrile	C3316-7998	4280	4280	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	C3316-7998	1020	1020	ug/Kg	U
108-38-3	m,p-xylene	C3316-8003	4820	**590000**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	C3316-8003	2410	**124000**	ug/Kg	
108-86-1	Bromobenzene	C3316-7998	210	210	ug/Kg	U
108-88-3	Toluene	C3316-8003	2520	**115000**	ug/Kg	
108-90-7	Chlorobenzene	C3316-7998	270	270	ug/Kg	U
110-75-8	2-Chloroethylvinylether	C3316-7998	280	280	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	C3316-7998	250	250	ug/Kg	U
124-48-1	Dibromochloromethane	C3316-7998	240	240	ug/Kg	U
127-18-4	Tetrachloroethene	C3316-7998	330	330	ug/Kg	U
135-98-8	sec-Butylbenzene	C3316-7998	200	**5670**	ug/Kg	
142-28-9	1,3-Dichloropropane	C3316-7998	260	260	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	C3316-7998	240	240	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	C3316-7998	150	150	ug/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	C3316-7999	1.68	1.68	ug/Kg	U
56-23-5	Carbon Tetrachloride	C3316-7999	0.25	0.25	ug/Kg	U
67-66-3	Chloroform	C3316-7999	0.26	0.26	ug/Kg	U
71-43-2	Benzene	C3316-7999	0.25	2.03	ug/Kg	J
71-55-6	1,1,1-Trichloroethane	C3316-7999	0.30	0.30	ug/Kg	U
74-83-9	Bromomethane	C3316-7999	0.34	0.34	ug/Kg	U
74-87-3	Chloromethane	C3316-7999	0.29	0.29	ug/Kg	U
74-95-3	Dibromomethane	C3316-7999	0.27	0.27	ug/Kg	U
74-97-5	Bromochloromethane	C3316-7999	0.30	0.30	ug/Kg	U
75-00-3	Chloroethane	C3316-7999	0.54	0.54	ug/Kg	U
75-01-4	Vinyl Chloride	C3316-7999	0.25	0.25	ug/Kg	U
75-09-2	Methylene Chloride	C3316-7999	0.22	0.22	ug/Kg	U
75-15-0	Carbon disulfide	C3316-7999	0.23	0.23	ug/Kg	U
75-25-2	Bromoform	C3316-7999	0.21	0.21	ug/Kg	U
75-27-4	Bromodichloromethane	C3316-7999	0.29	0.29	ug/Kg	U
75-34-3	1,1-Dichloroethane	C3316-7999	0.17	0.17	ug/Kg	U
75-35-4	1,1-Dichloroethene	C3316-7999	0.21	0.21	ug/Kg	U
75-45-6	Chlorodifluoromethane	C3316-7999	0.27	0.27	ug/Kg	U
75-65-0	Tertiary butyl alcohol	C3316-7999	5.12	5.12	ug/Kg	U
75-69-4	Trichlorofluoromethane	C3316-7999	0.30	0.30	ug/Kg	U
75-71-8	Dichlorodifluoromethane	C3316-7999	0.28	0.28	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3316-7999	0.27	0.27	ug/Kg	U
78-87-5	1,2-Dichloropropane	C3316-7999	0.30	0.30	ug/Kg	U
78-93-3	2-Butanone	C3316-7999	1.10	1.10	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	C3316-7999	0.29	0.29	ug/Kg	U
79-01-6	Trichloroethene	C3316-7999	0.26	0.26	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	C3316-7999	0.26	0.26	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	C3316-7999	0.21	0.21	ug/Kg	U
87-68-3	Hexachlorobutadiene	C3316-7999	0.31	0.31	ug/Kg	U
91-20-3	Naphthalene	C3316-7999	0.19	54.4	ug/Kg	
95-47-6	o-xylene	C3316-8004	2.12	174	ug/Kg	
95-49-8	2-Chlorotoluene	C3316-7999	0.21	0.21	ug/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	C3316-7999	0.28	0.28	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3316-8004	2.53	**404**	ug/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	C3316-7999	0.20	**41.9**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	C3316-7999	0.16	0.16	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	C3316-7999	0.31	0.31	ug/Kg	U
98-06-6	tert-Butylbenzene	C3316-7999	0.25	0.25	ug/Kg	U
98-82-8	Isopropylbenzene	C3316-7999	0.25	**12.8**	ug/Kg	
99-87-6	4-Isopropyltoluene	C3316-7999	0.20	**12.6**	ug/Kg	
100-41-4	Ethylbenzene	C3316-8004	2.35	**108**	ug/Kg	
100-42-5	Styrene	C3316-7999	0.22	0.22	ug/Kg	U
103-65-1	n-Propylbenzene	C3316-7999	0.24	**54.3**	ug/Kg	
104-51-8	n-Butylbenzene	C3316-7999	0.25	**30.5**	ug/Kg	
105-05-5	p-Diethylbenzene	C3316-8004	2.24	**124**	ug/Kg	
106-43-4	4-Chlorotoluene	C3316-7999	0.30	0.30	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C3316-7999	0.23	0.23	ug/Kg	U
106-93-4	1,2-Dibromoethane	C3316-7999	0.27	0.27	ug/Kg	U
107-06-2	1,2-Dichloroethane	C3316-7999	0.29	0.29	ug/Kg	U
107-13-1	Acrylonitrile	C3316-7999	4.39	4.39	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	C3316-7999	1.04	1.04	ug/Kg	U
108-38-3	m,p-xylene	C3316-8004	4.94	**492**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	C3316-8004	2.47	**117**	ug/Kg	
108-86-1	Bromobenzene	C3316-7999	0.21	0.21	ug/Kg	U
108-88-3	Toluene	C3316-8004	2.58	**81.7**	ug/Kg	
108-90-7	Chlorobenzene	C3316-7999	0.28	0.28	ug/Kg	U
110-75-8	2-Chloroethylvinylether	C3316-7999	0.29	0.29	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	C3316-7999	0.26	0.26	ug/Kg	U
124-48-1	Dibromochloromethane	C3316-7999	0.25	0.25	ug/Kg	U
127-18-4	Tetrachloroethene	C3316-7999	0.34	0.34	ug/Kg	U
135-98-8	sec-Butylbenzene	C3316-7999	0.21	**7.23**	ug/Kg	
142-28-9	1,3-Dichloropropane	C3316-7999	0.26	0.26	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	C3316-7999	0.24	0.24	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	C3316-7999	0.15	0.15	ug/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	C3316-7999	0.22	0.22	ug/Kg	U
563-58-6	1,1-Dichloropropene	C3316-7999	0.21	0.21	ug/Kg	U
590-20-7	2,2-Dichloropropane	C3316-7999	0.34	0.34	ug/Kg	U
591-78-6	2-Hexanone	C3316-7999	1.28	1.28	ug/Kg	U
622-96-8	p-Ethyltoluene	C3316-8004	2.24	316	ug/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	C3316-7999	0.24	0.24	ug/Kg	U
994-05-8	TAME	C3316-7999	0.44	0.44	ug/Kg	U
1634-04-4	Methyl t-butyl ether	C3316-7999	0.29	0.29	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	C3316-7999	0.30	0.30	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	C3316-7999	0.21	0.21	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-7999	121.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-7999	105.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-7999	112.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-7999	102.0 %	(74 - 136)	
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-8004	119.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-8004	105.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-8004	115.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-8004	101.0 %	(74 - 136)	

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	C3316-8000	1.68	1.68	ug/Kg	U
56-23-5	Carbon Tetrachloride	C3316-8000	0.25	0.25	ug/Kg	U
67-66-3	Chloroform	C3316-8000	0.26	0.26	ug/Kg	U
71-43-2	Benzene	C3316-8000	0.25	3.36	ug/Kg	
71-55-6	1,1,1-Trichloroethane	C3316-8000	0.30	0.30	ug/Kg	U
74-83-9	Bromomethane	C3316-8000	0.34	0.34	ug/Kg	U
74-87-3	Chloromethane	C3316-8000	0.29	0.29	ug/Kg	U
74-95-3	Dibromomethane	C3316-8000	0.27	0.27	ug/Kg	U
74-97-5	Bromochloromethane	C3316-8000	0.30	0.30	ug/Kg	U
75-00-3	Chloroethane	C3316-8000	0.54	0.54	ug/Kg	U
75-01-4	Vinyl Chloride	C3316-8000	0.25	0.25	ug/Kg	U
75-09-2	Methylene Chloride	C3316-8000	0.22	0.22	ug/Kg	U
75-15-0	Carbon disulfide	C3316-8000	0.23	0.23	ug/Kg	U
75-25-2	Bromoform	C3316-8000	0.21	0.21	ug/Kg	U
75-27-4	Bromodichloromethane	C3316-8000	0.29	0.29	ug/Kg	U
75-34-3	1,1-Dichloroethane	C3316-8000	0.17	0.17	ug/Kg	U
75-35-4	1,1-Dichloroethene	C3316-8000	0.21	0.21	ug/Kg	U
75-45-6	Chlorodifluoromethane	C3316-8000	0.27	0.27	ug/Kg	U
75-65-0	Tertiary butyl alcohol	C3316-8000	5.13	5.13	ug/Kg	U
75-69-4	Trichlorofluoromethane	C3316-8000	0.30	0.30	ug/Kg	U
75-71-8	Dichlorodifluoromethane	C3316-8000	0.28	0.28	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3316-8000	0.27	0.27	ug/Kg	U
78-87-5	1,2-Dichloropropane	C3316-8000	0.30	0.30	ug/Kg	U
78-93-3	2-Butanone	C3316-8000	1.10	1.10	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	C3316-8000	0.29	0.29	ug/Kg	U
79-01-6	Trichloroethene	C3316-8000	0.26	0.26	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	C3316-8000	0.26	0.26	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	C3316-8000	0.21	0.21	ug/Kg	U
87-68-3	Hexachlorobutadiene	C3316-8000	0.31	0.31	ug/Kg	U
91-20-3	Naphthalene	C3316-8000	0.19	70.6	ug/Kg	
95-47-6	o-xylene	C3316-8005	2.13	238	ug/Kg	
95-49-8	2-Chlorotoluene	C3316-8000	0.21	0.21	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	C3316-8000	0.28	0.28	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3316-8005	2.53	**506**	ug/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	C3316-8000	0.20	**55.6**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	C3316-8000	0.16	0.16	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	C3316-8000	0.31	0.31	ug/Kg	U
98-06-6	tert-Butylbenzene	C3316-8000	0.25	0.25	ug/Kg	U
98-82-8	Isopropylbenzene	C3316-8000	0.25	**17.9**	ug/Kg	
99-87-6	4-Isopropyltoluene	C3316-8000	0.20	**16.4**	ug/Kg	
100-41-4	Ethylbenzene	C3316-8005	2.36	**130**	ug/Kg	
100-42-5	Styrene	C3316-8000	0.22	0.22	ug/Kg	U
103-65-1	n-Propylbenzene	C3316-8000	0.24	**72.7**	ug/Kg	
104-51-8	n-Butylbenzene	C3316-8000	0.25	**4.75**	ug/Kg	
105-05-5	p-Diethylbenzene	C3316-8005	2.24	**155**	ug/Kg	
106-43-4	4-Chlorotoluene	C3316-8000	0.30	0.30	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C3316-8000	0.23	0.23	ug/Kg	U
106-93-4	1,2-Dibromoethane	C3316-8000	0.27	0.27	ug/Kg	U
107-06-2	1,2-Dichloroethane	C3316-8000	0.29	0.29	ug/Kg	U
107-13-1	Acrylonitrile	C3316-8000	4.40	4.40	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	C3316-8000	1.05	1.05	ug/Kg	U
108-38-3	m,p-xylene	C3316-8005	4.95	**689**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	C3316-8005	2.47	**150**	ug/Kg	
108-86-1	Bromobenzene	C3316-8000	0.21	0.21	ug/Kg	U
108-88-3	Toluene	C3316-8005	2.59	**93.0**	ug/Kg	
108-90-7	Chlorobenzene	C3316-8000	0.28	0.28	ug/Kg	U
110-75-8	2-Chloroethylvinylether	C3316-8000	0.29	0.29	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	C3316-8000	0.26	0.26	ug/Kg	U
124-48-1	Dibromochloromethane	C3316-8000	0.25	0.25	ug/Kg	U
127-18-4	Tetrachloroethene	C3316-8000	0.34	0.34	ug/Kg	U
135-98-8	sec-Butylbenzene	C3316-8000	0.21	**8.54**	ug/Kg	
142-28-9	1,3-Dichloropropane	C3316-8000	0.26	0.26	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	C3316-8000	0.24	0.24	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	C3316-8000	0.16	0.16	ug/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	C3316-8000	0.22	0.22	ug/Kg	U
563-58-6	1,1-Dichloropropene	C3316-8000	0.21	0.21	ug/Kg	U
590-20-7	2,2-Dichloropropane	C3316-8000	0.34	0.34	ug/Kg	U
591-78-6	2-Hexanone	C3316-8000	1.28	1.28	ug/Kg	U
622-96-8	p-Ethyltoluene	C3316-8005	2.24	399	ug/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	C3316-8000	0.24	0.24	ug/Kg	U
994-05-8	TAME	C3316-8000	0.44	0.44	ug/Kg	U
1634-04-4	Methyl t-butyl ether	C3316-8000	0.29	0.29	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	C3316-8000	0.30	0.30	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	C3316-8000	0.21	0.21	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-8000	123.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-8000	111.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-8000	110.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-8000	102.0 %	(74 - 136)	
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-8005	119.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-8005	105.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-8005	116.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-8005	100.0 %	(74 - 136)	

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3735	22.8	22.8	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3735	48.8	48.8	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3735	29.6	29.6	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3735	47.7	47.7	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3735	59.4	59.4	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3735	74.9	74.9	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3735	46.5	46.5	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3735	34.2	34.2	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3735	71.1	71.1	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3735	44.7	44.7	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3735	910	910	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3735	48.9	48.9	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3735	66.5	66.5	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3735	41.9	41.9	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3735	33.4	33.4	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2276-1139	445	**15400**	ug/Kg	
95-48-7	2-Methylphenol(o-Cresol)	B2531-3735	60.8	60.8	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3735	46.0	46.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3735	57.2	57.2	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	B2531-3735	38.3	38.3	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3735	74.5	74.5	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3735	88.6	88.6	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	B2531-3735	113	113	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	B2531-3735	51.6	51.6	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3735	56.1	56.1	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3735	47.8	47.8	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	B2531-3735	61.5	61.5	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3735	52.0	52.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3735	68.1	68.1	ug/Kg	U
83-32-9	Acenaphthene	B2531-3735	36.8	**66.0**	ug/Kg	J
208-96-8	Acenaphthylene	B2531-3735	40.3	40.3	ug/Kg	U
62-53-3	Aniline	B2531-3735	50.2	50.2	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3735	34.8	65.5	ug/Kg	J
92-87-5	Benzidine	B2531-3735	80.2	80.2	ug/Kg	U
56-55-3	Benzo[a]anthracene	B2531-3735	56.1	56.1	ug/Kg	U
50-32-8	Benzo[a]pyrene	B2531-3735	49.6	49.6	ug/Kg	U
205-99-2	3,4-Benzofluoranthene	B2531-3735	68.3	68.3	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	B2531-3735	55.7	55.7	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	B2531-3735	48.7	48.7	ug/Kg	U
65-85-0	Benzoic acid	B2531-3735	5140	5140	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3735	63.8	63.8	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3735	64.2	64.2	ug/Kg	U
86-74-8	Carbazole	B2531-3735	62.9	62.9	ug/Kg	U
218-01-9	Chrysene	B2531-3735	52.6	52.6	ug/Kg	U
	Cresol (total)	B2531-3735	99.1	99.1	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3735	51.5	51.5	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3735	53.8	53.8	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	B2531-3735	35.9	35.9	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3735	34.0	34.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3735	59.9	59.9	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3735	45.5	45.5	ug/Kg	U
206-44-0	Fluoranthene	B2531-3735	51.2	51.2	ug/Kg	U
86-73-7	Fluorene	B2531-3735	43.8	135	ug/Kg	J
118-74-1	Hexachlorobenzene	B2531-3735	67.0	67.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3735	69.7	69.7	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3735	217	217	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3735	65.3	65.3	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	B2531-3735	51.8	51.8	ug/Kg	U
78-59-1	Isophorone	B2531-3735	24.9	24.9	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	B2531-3735	87.7	87.7	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	B2531-3735	104	104	ug/Kg	U
86-30-6	Diphenylnitrosamine	B2531-3735	46.0	66.3	ug/Kg	J
91-20-3	Naphthalene	C2276-1139	450	22300	ug/Kg	
98-95-3	Nitrobenzene	B2531-3735	88.7	88.7	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3735	340	340	ug/Kg	U
85-01-8	Phenanthrene	B2531-3735	54.4	174	ug/Kg	J
108-95-2	Phenol	B2531-3735	72.3	72.3	ug/Kg	U
129-00-0	Pyrene	B2531-3735	45.9	66.6	ug/Kg	J
110-86-1	Pyridine	B2531-3735	54.8	54.8	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	B2531-3735	54.2	54.2	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	B2531-3735	37.5	37.5	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	B2531-3735	37.0	37.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3735	66.7	66.7	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3735	83.9 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3735	53.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3735	50.5 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3735	39.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3735	48.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3735	81.0 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3736	23.4	23.4	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3736	50.1	50.1	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3736	30.3	30.3	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3736	48.9	48.9	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3736	60.8	60.8	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3736	76.8	76.8	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3736	47.6	47.6	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3736	35.0	35.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3736	72.9	72.9	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3736	45.8	45.8	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3736	933	933	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3736	50.2	50.2	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3736	68.2	68.2	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3736	42.9	42.9	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3736	34.2	34.2	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2276-1140	456	**30900**	ug/Kg	
95-48-7	2-Methylphenol(o-Cresol)	B2531-3736	62.3	62.3	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3736	47.2	47.2	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3736	58.7	58.7	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	B2531-3736	39.3	39.3	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3736	76.3	76.3	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3736	90.8	90.8	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	B2531-3736	116	116	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	B2531-3736	52.9	52.9	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3736	57.5	57.5	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3736	49.0	49.0	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	B2531-3736	63.0	63.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3736	53.3	53.3	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3736	69.8	69.8	ug/Kg	U
83-32-9	Acenaphthene	B2531-3736	37.8	**165**	ug/Kg	J
208-96-8	Acenaphthylene	B2531-3736	41.3	41.3	ug/Kg	U
62-53-3	Aniline	B2531-3736	51.4	51.4	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3736	35.7	**89.7**	ug/Kg	J
92-87-5	Benzidine	B2531-3736	82.2	82.2	ug/Kg	U
56-55-3	Benzo[a]anthracene	B2531-3736	57.5	**92.6**	ug/Kg	J
50-32-8	Benzo[a]pyrene	B2531-3736	50.9	**79.4**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	B2531-3736	70.0	70.0	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	B2531-3736	57.1	57.1	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	B2531-3736	49.9	**66.1**	ug/Kg	J
65-85-0	Benzoic acid	B2531-3736	5270	5270	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3736	65.4	65.4	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3736	65.8	65.8	ug/Kg	U
86-74-8	Carbazole	B2531-3736	64.5	64.5	ug/Kg	U
218-01-9	Chrysene	B2531-3736	54.0	**140**	ug/Kg	J
	Cresol (total)	B2531-3736	102	102	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3736	52.8	52.8	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3736	55.1	55.1	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	B2531-3736	36.9	36.9	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3736	34.9	**205**	ug/Kg	J
84-66-2	Diethyl phthalate	B2531-3736	61.4	61.4	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3736	46.6	46.6	ug/Kg	U
206-44-0	Fluoranthene	B2531-3736	52.5	**170**	ug/Kg	J
86-73-7	Fluorene	B2531-3736	44.9	**429**	ug/Kg	J
118-74-1	Hexachlorobenzene	B2531-3736	68.7	68.7	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3736	71.4	71.4	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3736	223	223	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3736	66.9	66.9	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	B2531-3736	53.2	53.2	ug/Kg	U
78-59-1	Isophorone	B2531-3736	25.5	25.5	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	B2531-3736	89.9	89.9	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	B2531-3736	107	107	ug/Kg	U
86-30-6	Diphenylnitrosamine	B2531-3736	47.2	47.2	ug/Kg	U
91-20-3	Naphthalene	C2276-1140	462	**40300**	ug/Kg	
98-95-3	Nitrobenzene	B2531-3736	90.9	90.9	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3736	349	349	ug/Kg	U
85-01-8	Phenanthrene	B2531-3736	55.8	410	ug/Kg	J
108-95-2	Phenol	B2531-3736	74.2	74.2	ug/Kg	U
129-00-0	Pyrene	B2531-3736	47.1	181	ug/Kg	J
110-86-1	Pyridine	B2531-3736	56.1	56.1	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	B2531-3736	55.6	55.6	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	B2531-3736	38.5	38.5	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	B2531-3736	37.9	37.9	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3736	68.4	68.4	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3736	93.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3736	67.5 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3736	68.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3736	54.0 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3736	82.8 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3736	79.2 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3737	23.5	23.5	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3737	50.2	50.2	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3737	30.4	30.4	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3737	49.0	49.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3737	61.0	61.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3737	77.0	77.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3737	47.8	47.8	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3737	35.1	35.1	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3737	73.1	73.1	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3737	45.9	45.9	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3737	936	936	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3737	50.3	50.3	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3737	68.4	68.4	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3737	43.0	43.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3737	34.3	34.3	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2276-1141	457	20600	ug/Kg	
95-48-7	2-Methylphenol(o-Cresol)	B2531-3737	62.5	62.5	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3737	47.3	47.3	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3737	58.8	58.8	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	B2531-3737	39.4	39.4	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3737	76.5	76.5	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3737	91.0	91.0	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	B2531-3737	116	116	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	B2531-3737	53.0	53.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3737	57.7	57.7	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3737	49.1	49.1	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	B2531-3737	63.2	63.2	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3737	53.4	53.4	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3737	70.0	70.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3737	37.9	102	ug/Kg	J
208-96-8	Acenaphthylene	B2531-3737	41.4	41.4	ug/Kg	U
62-53-3	Aniline	B2531-3737	51.6	51.6	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Collected: 07/27/2009 14:00
Matrix: Soil
Type: Grab
% Solid: 86.9%
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3737	35.8	**78.7**	ug/Kg	J
92-87-5	Benzidine	B2531-3737	82.4	82.4	ug/Kg	U
56-55-3	Benzo[a]anthracene	B2531-3737	57.7	57.7	ug/Kg	U
50-32-8	Benzo[a]pyrene	B2531-3737	51.0	51.0	ug/Kg	U
205-99-2	3,4-Benzofluoranthene	B2531-3737	70.2	70.2	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	B2531-3737	57.2	57.2	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	B2531-3737	50.1	50.1	ug/Kg	U
65-85-0	Benzoic acid	B2531-3737	5280	5280	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3737	65.6	65.6	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3737	65.9	65.9	ug/Kg	U
86-74-8	Carbazole	B2531-3737	64.7	64.7	ug/Kg	U
218-01-9	Chrysene	B2531-3737	54.1	54.1	ug/Kg	U
	Cresol (total)	B2531-3737	102	102	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3737	52.9	52.9	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3737	55.2	55.2	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	B2531-3737	36.9	36.9	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3737	35.0	**70.3**	ug/Kg	J
84-66-2	Diethyl phthalate	B2531-3737	61.6	61.6	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3737	46.7	46.7	ug/Kg	U
206-44-0	Fluoranthene	B2531-3737	52.6	**83.3**	ug/Kg	J
86-73-7	Fluorene	B2531-3737	45.0	**192**	ug/Kg	J
118-74-1	Hexachlorobenzene	B2531-3737	68.8	68.8	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3737	71.6	71.6	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3737	223	223	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3737	67.1	67.1	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	B2531-3737	53.3	53.3	ug/Kg	U
78-59-1	Isophorone	B2531-3737	25.5	25.5	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	B2531-3737	90.1	90.1	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	B2531-3737	107	107	ug/Kg	U
86-30-6	Diphenylnitrosamine	B2531-3737	47.3	47.3	ug/Kg	U
91-20-3	Naphthalene	C2276-1141	463	**27900**	ug/Kg	
98-95-3	Nitrobenzene	B2531-3737	91.1	91.1	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3737	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2531-3737	55.9	245	ug/Kg	J
108-95-2	Phenol	B2531-3737	74.3	74.3	ug/Kg	U
129-00-0	Pyrene	B2531-3737	47.2	91.8	ug/Kg	J
110-86-1	Pyridine	B2531-3737	56.3	56.3	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	B2531-3737	55.7	55.7	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	B2531-3737	38.6	38.6	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	B2531-3737	38.0	38.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3737	68.6	68.6	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3737	92.0 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3737	57.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3737	45.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3737	46.6 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3737	50.8 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3737	76.4 %	(18 - 137)	

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08/05/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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08/05/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

09/15/2009

Laboratory Identifier: 0907447
Received: 07/31/2009 15:45
Sampled by: Gary Bohan

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: GETTY 58014
5510 Broadway
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Testing Laboratories, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2916-9694	2.80	2.80	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2916-9694	0.59	0.59	ug/Kg	U
67-66-3	Chloroform	B2916-9694	0.63	0.63	ug/Kg	U
71-43-2	Benzene	B2916-9694	0.56	0.56	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2916-9694	0.55	0.55	ug/Kg	U
74-83-9	Bromomethane	B2916-9694	0.52	0.52	ug/Kg	U
74-87-3	Chloromethane	B2916-9694	0.53	0.53	ug/Kg	U
74-95-3	Dibromomethane	B2916-9694	0.84	0.84	ug/Kg	U
74-97-5	Bromochloromethane	B2916-9694	0.61	0.61	ug/Kg	U
75-00-3	Chloroethane	B2916-9694	0.74	0.74	ug/Kg	U
75-01-4	Vinyl Chloride	B2916-9694	0.72	0.72	ug/Kg	U
75-09-2	Methylene Chloride	B2916-9694	1.00	1.00	ug/Kg	U
75-15-0	Carbon disulfide	B2916-9694	0.50	0.50	ug/Kg	U
75-25-2	Bromoform	B2916-9694	0.51	0.51	ug/Kg	U
75-27-4	Bromodichloromethane	B2916-9694	0.50	0.50	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2916-9694	0.60	0.60	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2916-9694	0.39	0.39	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2916-9694	0.93	0.93	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2916-9694	5.70	5.70	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2916-9694	0.59	0.59	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2916-9694	0.39	0.39	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2916-9694	0.55	0.55	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2916-9694	0.63	0.63	ug/Kg	U
78-93-3	2-Butanone	B2916-9694	2.40	2.40	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2916-9694	0.67	0.67	ug/Kg	U
79-01-6	Trichloroethene	B2916-9694	0.52	0.52	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2916-9694	0.64	0.64	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2916-9694	0.51	0.51	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2916-9694	0.51	0.51	ug/Kg	U
91-20-3	Naphthalene	B2916-9694	0.48	0.48	ug/Kg	U
95-47-6	o-xylene	B2916-9694	0.41	0.41	ug/Kg	U
95-49-8	2-Chlorotoluene	B2916-9694	0.56	0.56	ug/Kg	U

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2916-9694	0.50	0.50	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2916-9694	0.39	0.39	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2916-9694	0.42	0.69	ug/Kg	J
96-12-8	1,2-Dibromo-3-chloropropane	B2916-9694	0.49	0.49	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2916-9694	0.75	0.75	ug/Kg	U
98-06-6	tert-Butylbenzene	B2916-9694	0.56	0.56	ug/Kg	U
98-82-8	Isopropylbenzene	B2916-9694	0.47	0.47	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2916-9694	0.50	0.50	ug/Kg	U
100-41-4	Ethylbenzene	B2916-9694	0.55	0.55	ug/Kg	U
100-42-5	Styrene	B2916-9694	0.46	0.46	ug/Kg	U
103-65-1	n-Propylbenzene	B2916-9694	0.49	0.49	ug/Kg	U
104-51-8	n-Butylbenzene	B2916-9694	0.51	0.51	ug/Kg	U
105-05-5	p-Diethylbenzene	B2916-9694	0.49	0.49	ug/Kg	U
106-43-4	4-Chlorotoluene	B2916-9694	0.53	0.53	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2916-9694	0.51	0.51	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2916-9694	0.63	0.63	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2916-9694	0.61	0.61	ug/Kg	U
107-13-1	Acrylonitrile	B2916-9694	7.40	7.40	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2916-9694	2.30	2.30	ug/Kg	U
108-38-3	m,p-xylene	B2916-9694	0.95	0.95	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2916-9694	0.47	0.47	ug/Kg	U
108-86-1	Bromobenzene	B2916-9694	0.54	0.54	ug/Kg	U
108-88-3	Toluene	B2916-9694	0.51	0.51	ug/Kg	U
108-90-7	Chlorobenzene	B2916-9694	0.65	0.65	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2916-9694	0.68	0.68	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2916-9694	0.36	0.36	ug/Kg	U
124-48-1	Dibromochloromethane	B2916-9694	0.49	0.49	ug/Kg	U
127-18-4	Tetrachloroethene	B2916-9694	0.48	0.48	ug/Kg	U
135-98-8	sec-Butylbenzene	B2916-9694	0.48	0.48	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2916-9694	0.55	0.55	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2916-9694	0.48	0.48	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2916-9694	0.49	0.49	ug/Kg	U

Environmental Testing Laboratories, Inc.
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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2916-9694	0.56	0.56	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2916-9694	0.56	0.56	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2916-9694	0.63	0.63	ug/Kg	U
591-78-6	2-Hexanone	B2916-9694	2.10	2.10	ug/Kg	U
622-96-8	p-Ethyltoluene	B2916-9694	0.45	0.45	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2916-9694	0.49	0.49	ug/Kg	U
994-05-8	TAME	B2916-9694	0.67	0.67	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2916-9694	0.55	0.55	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2916-9694	0.54	0.54	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2916-9694	0.45	0.45	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2916-9694	132.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2916-9694	100.0 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2916-9694	100.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2916-9694	101.0 %	(74 - 125)	

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2916-9695	5.60	5.60	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2916-9695	1.20	1.20	ug/Kg	U
67-66-3	Chloroform	B2916-9695	1.30	1.30	ug/Kg	U
71-43-2	Benzene	B2916-9695	1.10	1.10	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2916-9695	1.10	1.10	ug/Kg	U
74-83-9	Bromomethane	B2916-9695	1.10	1.10	ug/Kg	U
74-87-3	Chloromethane	B2916-9695	1.10	1.10	ug/Kg	U
74-95-3	Dibromomethane	B2916-9695	1.70	1.70	ug/Kg	U
74-97-5	Bromochloromethane	B2916-9695	1.20	1.20	ug/Kg	U
75-00-3	Chloroethane	B2916-9695	1.50	1.50	ug/Kg	U
75-01-4	Vinyl Chloride	B2916-9695	1.50	1.50	ug/Kg	U
75-09-2	Methylene Chloride	B2916-9695	2.00	2.00	ug/Kg	U
75-15-0	Carbon disulfide	B2916-9695	1.00	1.00	ug/Kg	U
75-25-2	Bromoform	B2916-9695	1.00	1.00	ug/Kg	U
75-27-4	Bromodichloromethane	B2916-9695	1.00	1.00	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2916-9695	1.20	1.20	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2916-9695	0.80	0.80	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2916-9695	1.90	1.90	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2916-9695	12.0	12.0	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2916-9695	1.20	1.20	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2916-9695	0.80	0.80	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2916-9695	1.10	1.10	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2916-9695	1.30	1.30	ug/Kg	U
78-93-3	2-Butanone	B2916-9695	4.80	4.80	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2916-9695	1.40	1.40	ug/Kg	U
79-01-6	Trichloroethene	B2916-9695	1.10	1.10	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2916-9695	1.30	1.30	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2916-9695	1.00	1.00	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2916-9695	1.00	1.00	ug/Kg	U
91-20-3	Naphthalene	B2916-9695	0.97	**11.0**	ug/Kg	
95-47-6	o-xylene	B2916-9695	0.84	**120**	ug/Kg	
95-49-8	2-Chlorotoluene	B2916-9695	1.10	1.10	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2916-9696	5.60	**82.0**	ug/Kg	
56-23-5	Carbon Tetrachloride	B2916-9696	1.20	1.20	ug/Kg	U
67-66-3	Chloroform	B2916-9696	1.30	1.30	ug/Kg	U
71-43-2	Benzene	B2916-9696	1.20	1.20	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2916-9696	1.10	1.10	ug/Kg	U
74-83-9	Bromomethane	B2916-9696	1.10	1.10	ug/Kg	U
74-87-3	Chloromethane	B2916-9696	1.10	1.10	ug/Kg	U
74-95-3	Dibromomethane	B2916-9696	1.70	1.70	ug/Kg	U
74-97-5	Bromochloromethane	B2916-9696	1.30	1.30	ug/Kg	U
75-00-3	Chloroethane	B2916-9696	1.50	1.50	ug/Kg	U
75-01-4	Vinyl Chloride	B2916-9696	1.50	1.50	ug/Kg	U
75-09-2	Methylene Chloride	B2916-9696	2.00	2.00	ug/Kg	U
75-15-0	Carbon disulfide	B2916-9696	1.00	1.00	ug/Kg	U
75-25-2	Bromoform	B2916-9696	1.00	1.00	ug/Kg	U
75-27-4	Bromodichloromethane	B2916-9696	1.00	1.00	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2916-9696	1.20	1.20	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2916-9696	0.80	0.80	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2916-9696	1.90	1.90	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2916-9696	12.0	12.0	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2916-9696	1.20	1.20	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2916-9696	0.80	0.80	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2916-9696	1.10	1.10	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2916-9696	1.30	1.30	ug/Kg	U
78-93-3	2-Butanone	B2916-9696	4.80	**16.0**	ug/Kg	J
79-00-5	1,1,2-Trichloroethane	B2916-9696	1.40	1.40	ug/Kg	U
79-01-6	Trichloroethene	B2916-9696	1.10	1.10	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2916-9696	1.30	1.30	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2916-9696	1.00	1.00	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2916-9696	1.00	1.00	ug/Kg	U
91-20-3	Naphthalene	B2916-9696	0.98	**300**	ug/Kg	
95-47-6	o-xylene	B2916-9696	0.85	**270**	ug/Kg	
95-49-8	2-Chlorotoluene	B2916-9696	1.20	1.20	ug/Kg	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2916-9696	1.00	1.00	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2918-9720	2.00	**1160**	ug/Kg	E
95-93-2	1,2,4,5-Tetramethylbenzene	B2916-9696	0.87	**180**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	B2916-9696	1.00	1.00	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2916-9696	1.50	1.50	ug/Kg	U
98-06-6	tert-Butylbenzene	B2916-9696	1.20	1.20	ug/Kg	U
98-82-8	Isopropylbenzene	B2916-9696	0.95	**16.0**	ug/Kg	
99-87-6	4-Isopropyltoluene	B2916-9696	1.00	**12.0**	ug/Kg	
100-41-4	Ethylbenzene	B2916-9696	1.10	**69.0**	ug/Kg	
100-42-5	Styrene	B2916-9696	0.93	0.93	ug/Kg	U
103-65-1	n-Propylbenzene	B2916-9696	1.00	**92.0**	ug/Kg	
104-51-8	n-Butylbenzene	B2916-9696	1.00	**92.0**	ug/Kg	
105-05-5	p-Diethylbenzene	B2918-9720	2.50	**490**	ug/Kg	
106-43-4	4-Chlorotoluene	B2916-9696	1.10	1.10	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2916-9696	1.00	1.00	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2916-9696	1.30	1.30	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2916-9696	1.30	1.30	ug/Kg	U
107-13-1	Acrylonitrile	B2916-9696	15.0	15.0	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2916-9696	4.70	4.70	ug/Kg	U
108-38-3	m,p-xylene	B2916-9696	2.00	**420**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	B2916-9696	0.95	**300**	ug/Kg	
108-86-1	Bromobenzene	B2916-9696	1.10	1.10	ug/Kg	U
108-88-3	Toluene	B2916-9696	1.00	**57.0**	ug/Kg	
108-90-7	Chlorobenzene	B2916-9696	1.30	1.30	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2916-9696	1.40	1.40	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2916-9696	0.74	0.74	ug/Kg	U
124-48-1	Dibromochloromethane	B2916-9696	1.00	1.00	ug/Kg	U
127-18-4	Tetrachloroethene	B2916-9696	0.98	0.98	ug/Kg	U
135-98-8	sec-Butylbenzene	B2916-9696	0.98	**20.0**	ug/Kg	
142-28-9	1,3-Dichloropropane	B2916-9696	1.10	1.10	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2916-9696	0.98	0.98	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2916-9696	1.00	1.00	ug/Kg	U

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2916-9696	1.20	1.20	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2916-9696	1.20	1.20	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2916-9696	1.30	1.30	ug/Kg	U
591-78-6	2-Hexanone	B2916-9696	4.30	4.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2918-9720	2.30	600	ug/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	B2916-9696	1.00	1.00	ug/Kg	U
994-05-8	TAME	B2916-9696	1.40	1.40	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2916-9696	1.10	1.10	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2916-9696	1.10	1.10	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2916-9696	0.91	0.91	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2916-9696	132.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2916-9696	101.0 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2916-9696	59.0 %	(75 - 136)	D
2037-26-5	TOLUENE-D8	B2916-9696	105.0 %	(74 - 125)	
17060-07-0	1,2-DICHLOROETHANE-D4	B2918-9720	101.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2918-9720	97.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2918-9720	84.5 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2918-9720	99.7 %	(74 - 125)	

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3739	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3739	46.0	46.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3739	28.0	28.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3739	45.0	45.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3739	56.0	56.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3739	71.0	71.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3739	44.0	44.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3739	32.0	32.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3739	67.0	67.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3739	42.0	42.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3739	860	860	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3739	46.0	46.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3739	63.0	63.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3739	40.0	40.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3739	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2531-3739	33.0	33.0	ug/Kg	U
95-48-7	2-Methylphenol	B2531-3739	58.0	58.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3739	43.0	43.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3739	54.0	54.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2531-3739	36.0	36.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3739	70.0	70.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3739	84.0	84.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2531-3739	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2531-3739	49.0	49.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3739	53.0	53.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3739	45.0	45.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2531-3739	58.0	58.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3739	49.0	49.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3739	64.0	64.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3739	35.0	35.0	ug/Kg	U
208-96-8	Acenaphthylene	B2531-3739	38.0	38.0	ug/Kg	U
62-53-3	Aniline	B2531-3739	47.0	47.0	ug/Kg	U

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08/05/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

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08/05/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3739	33.0	33.0	ug/Kg	U
92-87-5	Benzidine	B2531-3739	76.0	76.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2531-3739	53.0	**210**	ug/Kg	J
50-32-8	Benzo(a)pyrene	B2531-3739	47.0	**210**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2531-3739	65.0	**170**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2531-3739	53.0	**130**	ug/Kg	J
207-08-9	Benzo(k)fluoranthene	B2531-3739	46.0	**200**	ug/Kg	J
65-85-0	Benzoic acid	B2531-3739	4860	4860	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3739	60.0	60.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3739	61.0	61.0	ug/Kg	U
86-74-8	Carbazole	B2531-3739	59.0	59.0	ug/Kg	U
218-01-9	Chrysene	B2531-3739	50.0	**200**	ug/Kg	J
	Cresols	B2531-3739	94.0	94.0	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3739	49.0	49.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3739	51.0	51.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2531-3739	34.0	34.0	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3739	32.0	32.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3739	57.0	57.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3739	43.0	43.0	ug/Kg	U
206-44-0	Fluoranthene	B2531-3739	48.0	**340**	ug/Kg	J
86-73-7	Fluorene	B2531-3739	41.0	41.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2531-3739	63.0	63.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3739	66.0	66.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3739	200	200	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3739	62.0	62.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2531-3739	49.0	**110**	ug/Kg	J
78-59-1	Isophorone	B2531-3739	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2531-3739	83.0	83.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2531-3739	99.0	99.0	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2531-3739	43.0	43.0	ug/Kg	U
91-20-3	Naphthalene	B2531-3739	51.0	51.0	ug/Kg	U
98-95-3	Nitrobenzene	B2531-3739	84.0	84.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3739	320	320	ug/Kg	U
85-01-8	Phenanthrene	B2531-3739	51.0	56.0	ug/Kg	J
108-95-2	Phenol	B2531-3739	68.0	68.0	ug/Kg	U
129-00-0	Pyrene	B2531-3739	43.0	320	ug/Kg	J
110-86-1	Pyridine	B2531-3739	52.0	52.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2531-3739	51.0	51.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2531-3739	35.0	35.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2531-3739	35.0	35.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3739	63.0	63.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3739	78.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3739	59.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3739	50.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3739	42.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3739	53.4 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3739	76.7 %	(18 - 137)	

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3744	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3744	47.0	47.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3744	28.0	28.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3744	46.0	46.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3744	57.0	57.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3744	72.0	72.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3744	45.0	45.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3744	33.0	33.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3744	68.0	68.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3744	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3744	870	870	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3744	47.0	47.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3744	64.0	64.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3744	40.0	40.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3744	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2531-3744	34.0	350	ug/Kg	J
95-48-7	2-Methylphenol	B2531-3744	58.0	58.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3744	44.0	44.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3744	55.0	55.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2531-3744	37.0	37.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3744	71.0	71.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3744	85.0	85.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2531-3744	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2531-3744	50.0	50.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3744	54.0	54.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3744	46.0	46.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2531-3744	59.0	59.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3744	50.0	50.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3744	65.0	65.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3744	35.0	35.0	ug/Kg	U
208-96-8	Acenaphthylene	B2531-3744	39.0	39.0	ug/Kg	U
62-53-3	Aniline	B2531-3744	48.0	48.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3744	33.0	33.0	ug/Kg	U
92-87-5	Benzidine	B2531-3744	77.0	77.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2531-3744	54.0	**54.0**	ug/Kg	J
50-32-8	Benzo(a)pyrene	B2531-3744	48.0	**66.0**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2531-3744	66.0	**70.0**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2531-3744	53.0	53.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2531-3744	47.0	**59.0**	ug/Kg	J
65-85-0	Benzoic acid	B2531-3744	4940	4940	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3744	61.0	61.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3744	62.0	62.0	ug/Kg	U
86-74-8	Carbazole	B2531-3744	60.0	60.0	ug/Kg	U
218-01-9	Chrysene	B2531-3744	51.0	**59.0**	ug/Kg	J
	Cresols	B2531-3744	95.0	95.0	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3744	50.0	50.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3744	52.0	52.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2531-3744	35.0	35.0	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3744	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3744	58.0	58.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3744	44.0	44.0	ug/Kg	U
206-44-0	Fluoranthene	B2531-3744	49.0	**79.0**	ug/Kg	J
86-73-7	Fluorene	B2531-3744	42.0	42.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2531-3744	64.0	64.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3744	67.0	67.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3744	210	210	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3744	63.0	63.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2531-3744	50.0	50.0	ug/Kg	U
78-59-1	Isophorone	B2531-3744	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2531-3744	84.0	84.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2531-3744	100	100	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2531-3744	44.0	44.0	ug/Kg	U
91-20-3	Naphthalene	B2531-3744	51.0	**260**	ug/Kg	J
98-95-3	Nitrobenzene	B2531-3744	85.0	85.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3744	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2531-3744	52.0	52.0	ug/Kg	U
108-95-2	Phenol	B2531-3744	70.0	70.0	ug/Kg	U
129-00-0	Pyrene	B2531-3744	44.0	78.0	ug/Kg	J
110-86-1	Pyridine	B2531-3744	53.0	53.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2531-3744	52.0	52.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2531-3744	36.0	36.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2531-3744	35.0	35.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3744	64.0	64.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3744	84.0 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3744	62.4 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3744	59.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3744	47.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3744	61.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3744	78.8 %	(18 - 137)	

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/05/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3740	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3740	47.0	47.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3740	29.0	29.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3740	46.0	46.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3740	58.0	58.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3740	73.0	73.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3740	45.0	45.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3740	33.0	33.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3740	69.0	69.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3740	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3740	880	880	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3740	47.0	47.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3740	64.0	64.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3740	41.0	41.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3740	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2531-3740	34.0	**390**	ug/Kg	J
95-48-7	2-Methylphenol	B2531-3740	59.0	**130**	ug/Kg	J
88-74-4	2-Nitroaniline	B2531-3740	45.0	45.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3740	55.0	55.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2531-3740	37.0	**76.0**	ug/Kg	J
91-94-1	3,3'-Dichlorobenzidine	B2531-3740	72.0	72.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3740	86.0	86.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2531-3740	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2531-3740	50.0	50.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3740	54.0	54.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3740	46.0	46.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2531-3740	59.0	59.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3740	50.0	50.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3740	66.0	66.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3740	36.0	36.0	ug/Kg	U
208-96-8	Acenaphthylene	B2531-3740	39.0	39.0	ug/Kg	U
62-53-3	Aniline	B2531-3740	49.0	49.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/05/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3740	34.0	34.0	ug/Kg	U
92-87-5	Benzidine	B2531-3740	78.0	78.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2531-3740	54.0	54.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2531-3740	48.0	48.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2531-3740	66.0	66.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2531-3740	54.0	54.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2531-3740	47.0	47.0	ug/Kg	U
65-85-0	Benzoic acid	B2531-3740	4980	4980	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3740	62.0	62.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3740	62.0	62.0	ug/Kg	U
86-74-8	Carbazole	B2531-3740	61.0	61.0	ug/Kg	U
218-01-9	Chrysene	B2531-3740	51.0	51.0	ug/Kg	U
	Cresols	B2531-3740	96.0	**200**	ug/Kg	J
84-74-2	Di-n-butyl phthalate	B2531-3740	50.0	50.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3740	52.0	52.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2531-3740	35.0	35.0	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3740	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3740	58.0	58.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3740	44.0	44.0	ug/Kg	U
206-44-0	Fluoranthene	B2531-3740	50.0	50.0	ug/Kg	U
86-73-7	Fluorene	B2531-3740	42.0	42.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2531-3740	65.0	65.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3740	68.0	68.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3740	210	210	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3740	63.0	63.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2531-3740	50.0	50.0	ug/Kg	U
78-59-1	Isophorone	B2531-3740	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2531-3740	85.0	85.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2531-3740	100	100	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2531-3740	45.0	45.0	ug/Kg	U
91-20-3	Naphthalene	B2531-3740	52.0	**490**	ug/Kg	J
98-95-3	Nitrobenzene	B2531-3740	86.0	86.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/05/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3740	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2531-3740	53.0	53.0	ug/Kg	U
108-95-2	Phenol	B2531-3740	70.0	110	ug/Kg	J
129-00-0	Pyrene	B2531-3740	44.0	44.0	ug/Kg	U
110-86-1	Pyridine	B2531-3740	53.0	53.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2531-3740	52.0	52.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2531-3740	36.0	36.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2531-3740	36.0	36.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3740	65.0	65.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3740	1.8 %	(19 - 122)	D
321-60-8	2-FLUOROBIPHENYL	B2531-3740	58.1 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3740	7.3 %	(25 - 121)	D
4165-60-0	NITROBENZENE-D5	B2531-3740	45.9 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3740	45.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3740	81.2 %	(18 - 137)	

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09/15/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

0907447-3 was analyzed at a 1:2 dilution with results indicating a poor recovery of the surrogate Dibromofluoromethane and target compounds present at concentrations above the upper calibration limit. This sample was re-analyzed at a 1:5 dilution with results indicating all surrogate recoveries within limits and 1,2,4-Trimethylbenzene concentration above the upper calibration limit. Both sets of data were used in reporting, with 1,2,4-Trimethylbenzene given an E-flag qualifier.

EPA 8270 Semi-Volatiles:

Sample #3: Acid surrogates do not pass QC. The sample was re-extracted and analyzed again with acid surrogates failing. Matrix interference is indicated.

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09/15/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.

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08/05/2009

Laboratory Identifier: 0907396

Received: 07/29/2009 13:11
Sampled by: Justin Keller

Client: Tyree Environmental Corp. (NY-G) (V#28741)

1 Northway Lane
Latham,
NY 12110

Project: GETTY 58014

5510 Broadway
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9678	0.0028	0.0028	mg/Kg	U
56-23-5	Carbon Tetrachloride	B2915-9678	0.00061	0.00061	mg/Kg	U
67-66-3	Chloroform	B2915-9678	0.00064	0.00064	mg/Kg	U
71-43-2	Benzene	B2915-9678	0.00058	0.00058	mg/Kg	U
71-55-6	1,1,1-Trichloroethane	B2915-9678	0.00057	0.00057	mg/Kg	U
74-83-9	Bromomethane	B2915-9678	0.00053	0.00053	mg/Kg	U
74-87-3	Chloromethane	B2915-9678	0.00055	0.00055	mg/Kg	U
74-95-3	Dibromomethane	B2915-9678	0.00086	0.00086	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9678	0.00063	0.00063	mg/Kg	U
75-00-3	Chloroethane	B2915-9678	0.00076	0.00076	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9678	0.00074	0.00074	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9678	0.0010	0.0010	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9678	0.00051	0.00051	mg/Kg	U
75-25-2	Bromoform	B2915-9678	0.00052	0.00052	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9678	0.00051	0.00051	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9678	0.00062	0.00062	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9678	0.00040	0.00040	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9678	0.00096	0.00096	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9678	0.0059	0.0059	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9678	0.00061	0.00061	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9678	0.00040	0.00040	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9678	0.00057	0.00057	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9678	0.00064	0.00064	mg/Kg	U
78-93-3	2-Butanone	B2915-9678	0.0024	0.0024	mg/Kg	U
79-00-5	1,1,2-Trichloroethane	B2915-9678	0.00069	0.00069	mg/Kg	U
79-01-6	Trichloroethene	B2915-9678	0.00053	0.00053	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9678	0.00065	0.00065	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9678	0.00052	0.00052	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9678	0.00052	0.00052	mg/Kg	U
91-20-3	Naphthalene	B2915-9678	0.00049	**0.0023**	mg/Kg	J
95-47-6	o-xylene	B2915-9678	0.00043	**0.0013**	mg/Kg	J
95-49-8	2-Chlorotoluene	B2915-9678	0.00058	0.00058	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9678	0.00051	0.00051	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2915-9678	0.00040	**0.0035**	mg/Kg	J
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9678	0.00044	**0.0013**	mg/Kg	J
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9678	0.00050	0.00050	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9678	0.00077	0.00077	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9678	0.00058	0.00058	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9678	0.00048	0.00048	mg/Kg	U
99-87-6	4-Isopropyltoluene	B2915-9678	0.00051	0.00051	mg/Kg	U
100-41-4	Ethylbenzene	B2915-9678	0.00057	0.00057	mg/Kg	U
100-42-5	Styrene	B2915-9678	0.00047	0.00047	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9678	0.00050	0.00050	mg/Kg	U
104-51-8	n-Butylbenzene	B2915-9678	0.00052	0.00052	mg/Kg	U
105-05-5	p-Diethylbenzene	B2915-9678	0.00050	0.00050	mg/Kg	U
106-43-4	4-Chlorotoluene	B2915-9678	0.00055	0.00055	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9678	0.00052	0.00052	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9678	0.00064	0.00064	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9678	0.00063	0.00063	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9678	0.0076	0.0076	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9678	0.0023	0.0023	mg/Kg	U
108-38-3	m,p-xylene	B2915-9678	0.00098	**0.0018**	mg/Kg	J
108-67-8	1,3,5-Trimethylbenzene	B2915-9678	0.00048	**0.0014**	mg/Kg	J
108-86-1	Bromobenzene	B2915-9678	0.00056	0.00056	mg/Kg	U
108-88-3	Toluene	B2915-9678	0.00052	**0.00074**	mg/Kg	J
108-90-7	Chlorobenzene	B2915-9678	0.00066	0.00066	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9678	0.00070	0.00070	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9678	0.00037	0.00037	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9678	0.00050	0.00050	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9678	0.00049	0.00049	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9678	0.00049	0.00049	mg/Kg	U
142-28-9	1,3-Dichloropropane	B2915-9678	0.00057	0.00057	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9678	0.00049	0.00049	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9678	0.00050	0.00050	mg/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9678	0.00058	0.00058	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9678	0.00058	0.00058	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9678	0.00064	0.00064	mg/Kg	U
591-78-6	2-Hexanone	B2915-9678	0.0022	0.0022	mg/Kg	U
622-96-8	p-Ethyltoluene	B2915-9678	0.00046	**0.0026**	mg/Kg	J
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9678	0.00050	0.00050	mg/Kg	U
994-05-8	TAME	B2915-9678	0.00069	0.00069	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9678	0.00057	0.00057	mg/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2915-9678	0.00056	0.00056	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9678	0.00046	0.00046	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9678	109.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9678	95.9 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9678	113.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9678	107.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9679	0.0027	0.0027	mg/Kg	U
56-23-5	Carbon Tetrachloride	B2915-9679	0.00058	0.00058	mg/Kg	U
67-66-3	Chloroform	B2915-9679	0.00061	0.00061	mg/Kg	U
71-43-2	Benzene	B2915-9679	0.00055	0.00055	mg/Kg	U
71-55-6	1,1,1-Trichloroethane	B2915-9679	0.00054	0.00054	mg/Kg	U
74-83-9	Bromomethane	B2915-9679	0.00050	0.00050	mg/Kg	U
74-87-3	Chloromethane	B2915-9679	0.00051	0.00051	mg/Kg	U
74-95-3	Dibromomethane	B2915-9679	0.00081	0.00081	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9679	0.00060	0.00060	mg/Kg	U
75-00-3	Chloroethane	B2915-9679	0.00072	0.00072	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9679	0.00070	0.00070	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9679	0.00097	0.00097	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9679	0.00048	0.00048	mg/Kg	U
75-25-2	Bromoform	B2915-9679	0.00049	0.00049	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9679	0.00048	0.00048	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9679	0.00059	0.00059	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9679	0.00038	0.00038	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9679	0.00091	0.00091	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9679	0.0056	0.0056	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9679	0.00058	0.00058	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9679	0.00038	0.00038	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9679	0.00054	0.00054	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9679	0.00061	0.00061	mg/Kg	U
78-93-3	2-Butanone	B2915-9679	0.0023	0.0023	mg/Kg	U
79-00-5	1,1,2-Trichloroethane	B2915-9679	0.00065	0.00065	mg/Kg	U
79-01-6	Trichloroethene	B2915-9679	0.00050	0.00050	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9679	0.00062	0.00062	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9679	0.00049	0.00049	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9679	0.00049	0.00049	mg/Kg	U
91-20-3	Naphthalene	B2915-9679	0.00046	**0.0012**	mg/Kg	J
95-47-6	o-xylene	B2915-9679	0.00040	0.00040	mg/Kg	U
95-49-8	2-Chlorotoluene	B2915-9679	0.00055	0.00055	mg/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9679	0.00048	0.00048	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2915-9679	0.00038	**0.0013**	mg/Kg	J
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9679	0.00041	0.00041	mg/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9679	0.00047	0.00047	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9679	0.00073	0.00073	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9679	0.00055	0.00055	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9679	0.00045	0.00045	mg/Kg	U
99-87-6	4-Isopropyltoluene	B2915-9679	0.00048	0.00048	mg/Kg	U
100-41-4	Ethylbenzene	B2915-9679	0.00054	0.00054	mg/Kg	U
100-42-5	Styrene	B2915-9679	0.00044	0.00044	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9679	0.00047	0.00047	mg/Kg	U
104-51-8	n-Butylbenzene	B2915-9679	0.00049	0.00049	mg/Kg	U
105-05-5	p-Diethylbenzene	B2915-9679	0.00047	0.00047	mg/Kg	U
106-43-4	4-Chlorotoluene	B2915-9679	0.00051	0.00051	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9679	0.00049	0.00049	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9679	0.00061	0.00061	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9679	0.00060	0.00060	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9679	0.0072	0.0072	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9679	0.0022	0.0022	mg/Kg	U
108-38-3	m,p-xylene	B2915-9679	0.00093	0.00093	mg/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2915-9679	0.00045	0.00045	mg/Kg	U
108-86-1	Bromobenzene	B2915-9679	0.00053	0.00053	mg/Kg	U
108-88-3	Toluene	B2915-9679	0.00049	0.00049	mg/Kg	U
108-90-7	Chlorobenzene	B2915-9679	0.00063	0.00063	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9679	0.00066	0.00066	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9679	0.00035	0.00035	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9679	0.00047	0.00047	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9679	0.00046	0.00046	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9679	0.00046	0.00046	mg/Kg	U
142-28-9	1,3-Dichloropropane	B2915-9679	0.00054	0.00054	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9679	0.00046	0.00046	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9679	0.00047	0.00047	mg/Kg	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9679	0.00055	0.00055	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9679	0.00055	0.00055	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9679	0.00061	0.00061	mg/Kg	U
591-78-6	2-Hexanone	B2915-9679	0.0020	0.0020	mg/Kg	U
622-96-8	p-Ethyltoluene	B2915-9679	0.00043	**0.00071**	mg/Kg	J
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9679	0.00047	0.00047	mg/Kg	U
994-05-8	TAME	B2915-9679	0.00065	0.00065	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9679	0.00054	0.00054	mg/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2915-9679	0.00053	0.00053	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9679	0.00043	0.00043	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9679	111.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9679	94.2 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9679	115.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9679	105.0 %	(74 - 125)	

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9680	0.0030	**0.078**	mg/Kg	
56-23-5	Carbon Tetrachloride	B2915-9680	0.00065	0.00065	mg/Kg	U
67-66-3	Chloroform	B2915-9680	0.00068	0.00068	mg/Kg	U
71-43-2	Benzene	B2915-9680	0.00061	**0.0014**	mg/Kg	J
71-55-6	1,1,1-Trichloroethane	B2915-9680	0.00060	0.00060	mg/Kg	U
74-83-9	Bromomethane	B2915-9680	0.00057	0.00057	mg/Kg	U
74-87-3	Chloromethane	B2915-9680	0.00058	0.00058	mg/Kg	U
74-95-3	Dibromomethane	B2915-9680	0.00092	0.00092	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9680	0.00067	0.00067	mg/Kg	U
75-00-3	Chloroethane	B2915-9680	0.00081	0.00081	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9680	0.00079	0.00079	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9680	0.0011	0.0011	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9680	0.00055	0.00055	mg/Kg	U
75-25-2	Bromoform	B2915-9680	0.00056	0.00056	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9680	0.00055	0.00055	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9680	0.00066	0.00066	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9680	0.00043	0.00043	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9680	0.0010	0.0010	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9680	0.0063	0.0063	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9680	0.00065	0.00065	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9680	0.00043	0.00043	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9680	0.00060	0.00060	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9680	0.00068	0.00068	mg/Kg	U
78-93-3	2-Butanone	B2915-9680	0.0026	**0.014**	mg/Kg	J
79-00-5	1,1,2-Trichloroethane	B2915-9680	0.00073	0.00073	mg/Kg	U
79-01-6	Trichloroethene	B2915-9680	0.00057	0.00057	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9680	0.00070	0.00070	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9680	0.00056	0.00056	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9680	0.00056	0.00056	mg/Kg	U
91-20-3	Naphthalene	B2915-9680	0.00052	0.00052	mg/Kg	U
95-47-6	o-xylene	B2915-9680	0.00045	**0.0039**	mg/Kg	J
95-49-8	2-Chlorotoluene	B2915-9680	0.00061	0.00061	mg/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9680	0.00055	0.00055	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2915-9680	0.00043	**0.032**	mg/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9680	0.00046	**0.028**	mg/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9680	0.00053	0.00053	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9680	0.00082	0.00082	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9680	0.00061	0.00061	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9680	0.00051	**0.0015**	mg/Kg	J
99-87-6	4-Isopropyltoluene	B2915-9680	0.00055	**0.043**	mg/Kg	
100-41-4	Ethylbenzene	B2915-9680	0.00060	0.00060	mg/Kg	U
100-42-5	Styrene	B2915-9680	0.00050	0.00050	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9680	0.00053	0.00053	mg/Kg	U
104-51-8	n-Butylbenzene	B2915-9680	0.00056	**0.023**	mg/Kg	
105-05-5	p-Diethylbenzene	B2915-9680	0.00053	0.00053	mg/Kg	U
106-43-4	4-Chlorotoluene	B2915-9680	0.00058	0.00058	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9680	0.00056	0.00056	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9680	0.00068	0.00068	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9680	0.00067	0.00067	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9680	0.0081	0.0081	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9680	0.0025	0.0025	mg/Kg	U
108-38-3	m,p-xylene	B2915-9680	0.0010	**0.0044**	mg/Kg	J
108-67-8	1,3,5-Trimethylbenzene	B2915-9680	0.00051	**0.038**	mg/Kg	
108-86-1	Bromobenzene	B2915-9680	0.00059	0.00059	mg/Kg	U
108-88-3	Toluene	B2915-9680	0.00056	**0.0064**	mg/Kg	
108-90-7	Chlorobenzene	B2915-9680	0.00071	0.00071	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9680	0.00074	0.00074	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9680	0.00039	0.00039	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9680	0.00053	0.00053	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9680	0.00052	0.00052	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9680	0.00052	**0.017**	mg/Kg	
142-28-9	1,3-Dichloropropane	B2915-9680	0.00060	0.00060	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9680	0.00052	0.00052	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9680	0.00053	0.00053	mg/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9680	0.00061	0.00061	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9680	0.00061	0.00061	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9680	0.00068	0.00068	mg/Kg	U
591-78-6	2-Hexanone	B2915-9680	0.0023	0.0023	mg/Kg	U
622-96-8	p-Ethyltoluene	B2915-9680	0.00049	**0.039**	mg/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9680	0.00053	0.00053	mg/Kg	U
994-05-8	TAME	B2915-9680	0.00073	0.00073	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9680	0.00060	0.00060	mg/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2915-9680	0.00059	0.00059	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9680	0.00049	0.00049	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9680	118.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9680	78.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9680	112.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9680	107.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Type: Grab

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9681	0.015	**0.10**	mg/Kg	J
56-23-5	Carbon Tetrachloride	B2915-9681	0.0032	0.0032	mg/Kg	U
67-66-3	Chloroform	B2915-9681	0.0033	0.0033	mg/Kg	U
71-43-2	Benzene	B2915-9681	0.0030	**0.59**	mg/Kg	
71-55-6	1,1,1-Trichloroethane	B2915-9681	0.0029	0.0029	mg/Kg	U
74-83-9	Bromomethane	B2915-9681	0.0028	0.0028	mg/Kg	U
74-87-3	Chloromethane	B2915-9681	0.0028	0.0028	mg/Kg	U
74-95-3	Dibromomethane	B2915-9681	0.0045	0.0045	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9681	0.0033	0.0033	mg/Kg	U
75-00-3	Chloroethane	B2915-9681	0.0040	0.0040	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9681	0.0038	0.0038	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9681	0.0053	0.0053	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9681	0.0027	0.0027	mg/Kg	U
75-25-2	Bromoform	B2915-9681	0.0027	0.0027	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9681	0.0027	0.0027	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9681	0.0032	0.0032	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9681	0.0021	0.0021	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9681	0.0050	0.0050	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9681	0.031	0.031	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9681	0.0032	0.0032	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9681	0.0021	0.0021	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9681	0.0029	0.0029	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9681	0.0033	0.0033	mg/Kg	U
78-93-3	2-Butanone	B2915-9681	0.013	0.013	mg/Kg	U
79-00-5	1,1,2-Trichloroethane	B2915-9681	0.0036	0.0036	mg/Kg	U
79-01-6	Trichloroethene	B2915-9681	0.0028	0.0028	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9681	0.0034	0.0034	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9681	0.0027	0.0027	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9681	0.0027	0.0027	mg/Kg	U
91-20-3	Naphthalene	B2915-9681	0.0025	**0.031**	mg/Kg	
95-47-6	o-xylene	C3314-7967	0.053	**7.47**	mg/Kg	
95-49-8	2-Chlorotoluene	B2915-9681	0.0030	0.0030	mg/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9681	0.0027	0.0027	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3314-7967	0.062	**5.54**	mg/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9681	0.0023	**0.030**	mg/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9681	0.0026	0.0026	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9681	0.0040	0.0040	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9681	0.0030	0.0030	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9681	0.0025	**0.11**	mg/Kg	
99-87-6	4-Isopropyltoluene	B2915-9681	0.0027	**0.0080**	mg/Kg	J
100-41-4	Ethylbenzene	C3314-7967	0.058	**3.97**	mg/Kg	
100-42-5	Styrene	B2915-9681	0.0024	0.0024	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9681	0.0026	**0.30**	mg/Kg	
104-51-8	n-Butylbenzene	B2915-9681	0.0027	**0.028**	mg/Kg	J
105-05-5	p-Diethylbenzene	B2915-9681	0.0026	**0.12**	mg/Kg	
106-43-4	4-Chlorotoluene	B2915-9681	0.0028	0.0028	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9681	0.0027	0.0027	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9681	0.0033	0.0033	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9681	0.0033	0.0033	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9681	0.040	0.040	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9681	0.012	0.012	mg/Kg	U
108-38-3	m,p-xylene	C3314-7967	0.12	**20.0**	mg/Kg	
108-67-8	1,3,5-Trimethylbenzene	B2915-9681	0.0025	**0.50**	mg/Kg	
108-86-1	Bromobenzene	B2915-9681	0.0029	0.0029	mg/Kg	U
108-88-3	Toluene	C3314-7967	0.064	**14.6**	mg/Kg	
108-90-7	Chlorobenzene	B2915-9681	0.0035	0.0035	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9681	0.0036	0.0036	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9681	0.0019	0.0019	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9681	0.0026	0.0026	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9681	0.0025	0.0025	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9681	0.0025	**0.015**	mg/Kg	J
142-28-9	1,3-Dichloropropane	B2915-9681	0.0029	0.0029	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9681	0.0025	0.0025	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9681	0.0026	0.0026	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9681	0.0030	0.0030	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9681	0.0030	0.0030	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9681	0.0033	0.0033	mg/Kg	U
591-78-6	2-Hexanone	B2915-9681	0.011	0.011	mg/Kg	U
622-96-8	p-Ethyltoluene	C3314-7967	0.055	**5.76**	mg/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9681	0.0026	0.0026	mg/Kg	U
994-05-8	TAME	B2915-9681	0.0036	0.0036	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9681	0.0029	**0.072**	mg/Kg	
10061-01-5	c-1,3-Dichloropropene	B2915-9681	0.0029	0.0029	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9681	0.0024	0.0024	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9681	110.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9681	95.1 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9681	82.8 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9681	103.0 %	(74 - 125)	
17060-07-0	1,2-DICHLOROETHANE-D4	C3314-7967	115.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3314-7967	104.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3314-7967	127.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3314-7967	98.6 %	(74 - 136)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1123	45.2	45.2	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1123	33.6	33.6	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2275-1123	32.8	32.8	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1123	36.5	36.5	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1123	35.4	35.4	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1123	43.0	43.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1123	23.6	23.6	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1123	40.8	40.8	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1123	35.6	35.6	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1123	45.4	45.4	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1123	382	382	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1123	65.1	65.1	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1123	44.7	44.7	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1123	52.3	52.3	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1123	52.3	52.3	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1123	43.1	43.1	ug/Kg	U
95-48-7	2-Methylphenol(o-Cresol)	C2275-1123	38.9	38.9	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1123	56.6	56.6	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1123	33.0	33.0	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1123	33.6	33.6	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1123	52.3	52.3	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1123	18.7	18.7	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2275-1123	474	474	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2275-1123	49.3	49.3	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1123	40.5	40.5	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1123	41.4	41.4	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1123	42.2	42.2	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1123	106	106	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1123	724	724	ug/Kg	U
83-32-9	Acenaphthene	C2275-1123	45.7	45.7	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1123	37.4	37.4	ug/Kg	U
62-53-3	Aniline	C2275-1123	33.8	33.8	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2275-1123	48.3	48.3	ug/Kg	U
92-87-5	Benzidine	C2275-1123	953	953	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1123	45.9	**58.3**	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2275-1123	56.6	**64.6**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	C2275-1123	45.1	**58.6**	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2275-1123	83.0	**282**	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1123	82.6	82.6	ug/Kg	U
65-85-0	Benzoic acid	C2275-1123	6360	6360	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1123	64.1	64.1	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1123	57.3	57.3	ug/Kg	U
86-74-8	Carbazole	C2275-1123	62.5	62.5	ug/Kg	U
218-01-9	Chrysene	C2275-1123	57.4	**67.5**	ug/Kg	J
	Cresol (total)	C2275-1123	72.5	72.5	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2275-1123	61.1	61.1	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1123	53.4	53.4	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	C2275-1123	60.6	**310**	ug/Kg	J
132-64-9	Dibenzofuran	C2275-1123	36.3	36.3	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1123	71.0	71.0	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1123	52.4	52.4	ug/Kg	U
206-44-0	Fluoranthene	C2275-1123	59.8	**112**	ug/Kg	J
86-73-7	Fluorene	C2275-1123	43.6	43.6	ug/Kg	U
118-74-1	Hexachlorobenzene	C2275-1123	46.5	46.5	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1123	43.4	43.4	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1123	336	336	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1123	48.3	48.3	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1123	50.2	**304**	ug/Kg	J
78-59-1	Isophorone	C2275-1123	49.6	49.6	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1123	32.8	32.8	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1123	68.9	68.9	ug/Kg	U
86-30-6	Diphenylnitrosamine	C2275-1123	59.2	59.2	ug/Kg	U
91-20-3	Naphthalene	C2275-1123	43.6	43.6	ug/Kg	U
98-95-3	Nitrobenzene	C2275-1123	42.0	42.0	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2275-1123	412	412	ug/Kg	U
85-01-8	Phenanthrene	C2275-1123	49.4	**61.2**	ug/Kg	J
108-95-2	Phenol	C2275-1123	28.3	28.3	ug/Kg	U
129-00-0	Pyrene	C2275-1123	40.2	**97.5**	ug/Kg	J
110-86-1	Pyridine	C2275-1123	62.2	62.2	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1123	45.0	45.0	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1123	51.4	51.4	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1123	39.8	39.8	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1123	71.1	**442**	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1123	81.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1123	68.1 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1123	50.7 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1123	51.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1123	57.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1123	74.6 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1124	42.8	42.8	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1124	31.8	31.8	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2275-1124	31.1	31.1	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1124	34.6	34.6	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1124	33.6	33.6	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1124	40.8	40.8	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1124	22.3	22.3	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1124	38.7	38.7	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1124	33.8	33.8	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1124	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1124	363	363	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1124	61.8	61.8	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1124	42.4	42.4	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1124	49.6	49.6	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1124	49.6	49.6	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1124	40.9	40.9	ug/Kg	U
95-48-7	2-Methylphenol(o-Cresol)	C2275-1124	36.9	36.9	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1124	53.7	53.7	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1124	31.3	31.3	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1124	31.8	31.8	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1124	49.6	49.6	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1124	17.7	17.7	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2275-1124	450	450	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2275-1124	46.8	46.8	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1124	38.4	38.4	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1124	39.2	39.2	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1124	40.1	40.1	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1124	101	101	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1124	687	687	ug/Kg	U
83-32-9	Acenaphthene	C2275-1124	43.4	43.4	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1124	35.4	35.4	ug/Kg	U
62-53-3	Aniline	C2275-1124	32.0	32.0	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2275-1124	45.8	45.8	ug/Kg	U
92-87-5	Benzidine	C2275-1124	904	904	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1124	43.6	**64.6**	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2275-1124	53.7	**95.9**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	C2275-1124	42.7	**86.5**	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2275-1124	78.7	**286**	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1124	78.4	**88.1**	ug/Kg	J
65-85-0	Benzoic acid	C2275-1124	6040	6040	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1124	60.8	60.8	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1124	54.4	54.4	ug/Kg	U
86-74-8	Carbazole	C2275-1124	59.3	59.3	ug/Kg	U
218-01-9	Chrysene	C2275-1124	54.5	**78.7**	ug/Kg	J
	Cresol (total)	C2275-1124	68.7	68.7	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2275-1124	58.0	58.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1124	50.7	50.7	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	C2275-1124	57.5	**300**	ug/Kg	J
132-64-9	Dibenzofuran	C2275-1124	34.4	34.4	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1124	67.4	67.4	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1124	49.7	49.7	ug/Kg	U
206-44-0	Fluoranthene	C2275-1124	56.7	**92.1**	ug/Kg	J
86-73-7	Fluorene	C2275-1124	41.4	41.4	ug/Kg	U
118-74-1	Hexachlorobenzene	C2275-1124	44.1	44.1	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1124	41.2	41.2	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1124	318	318	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1124	45.8	45.8	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1124	47.6	**309**	ug/Kg	J
78-59-1	Isophorone	C2275-1124	47.1	47.1	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1124	31.1	31.1	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1124	65.4	65.4	ug/Kg	U
86-30-6	Diphenylnitrosamine	C2275-1124	56.1	56.1	ug/Kg	U
91-20-3	Naphthalene	C2275-1124	41.4	41.4	ug/Kg	U
98-95-3	Nitrobenzene	C2275-1124	39.9	39.9	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2275-1124	390	390	ug/Kg	U
85-01-8	Phenanthrene	C2275-1124	46.9	46.9	ug/Kg	U
108-95-2	Phenol	C2275-1124	26.9	26.9	ug/Kg	U
129-00-0	Pyrene	C2275-1124	38.1	91.6	ug/Kg	J
110-86-1	Pyridine	C2275-1124	59.0	59.0	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1124	42.6	42.6	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1124	48.7	48.7	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1124	37.8	37.8	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1124	67.5	322	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1124	74.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1124	69.4 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1124	59.7 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1124	61.5 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1124	63.7 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1124	73.5 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1125	48.1	48.1	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1125	35.7	35.7	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2276-1137	140	140	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1125	38.8	38.8	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1125	37.7	37.7	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1125	45.8	45.8	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1125	25.1	25.1	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1125	43.5	43.5	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1125	37.9	37.9	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1125	48.3	48.3	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1125	407	407	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1125	69.4	69.4	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1125	47.6	47.6	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1125	55.7	55.7	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1125	55.7	55.7	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1125	45.9	45.9	ug/Kg	U
95-48-7	2-Methylphenol(o-Cresol)	C2275-1125	41.4	41.4	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1125	60.2	60.2	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1125	35.1	35.1	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1125	35.7	35.7	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1125	55.7	55.7	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1125	19.9	19.9	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2276-1137	2020	2020	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2276-1137	210	210	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1125	43.1	43.1	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1125	44.0	44.0	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1125	45.0	45.0	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1125	113	113	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1125	771	771	ug/Kg	U
83-32-9	Acenaphthene	C2275-1125	48.7	48.7	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1125	39.8	39.8	ug/Kg	U
62-53-3	Aniline	C2275-1125	36.0	36.0	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2276-1137	206	206	ug/Kg	U
92-87-5	Benzidine	C2275-1125	1020	1020	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1125	48.9	48.9	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2275-1125	60.2	60.2	ug/Kg	U
205-99-2	3,4-Benzofluoranthene	C2275-1125	48.0	48.0	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2275-1125	88.3	289	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1125	88.0	88.0	ug/Kg	U
65-85-0	Benzoic acid	C2275-1125	6770	6770	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1125	68.2	68.2	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1125	61.0	61.0	ug/Kg	U
86-74-8	Carbazole	C2276-1137	266	266	ug/Kg	U
218-01-9	Chrysene	C2275-1125	61.2	241	ug/Kg	J
	Cresol (total)	C2275-1125	77.1	77.1	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2276-1137	260	260	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1125	56.9	398	ug/Kg	J
53-70-3	Dibenzo[a,h]anthracene	C2275-1125	64.5	64.5	ug/Kg	U
132-64-9	Dibenzofuran	C2275-1125	38.6	38.6	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1125	75.6	75.6	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1125	55.8	55.8	ug/Kg	U
206-44-0	Fluoranthene	C2276-1137	255	255	ug/Kg	U
86-73-7	Fluorene	C2275-1125	46.5	46.5	ug/Kg	U
118-74-1	Hexachlorobenzene	C2276-1137	198	198	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1125	46.2	46.2	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1125	357	357	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1125	51.4	51.4	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1125	53.4	53.4	ug/Kg	U
78-59-1	Isophorone	C2275-1125	52.8	52.8	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1125	34.9	34.9	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1125	73.4	73.4	ug/Kg	U
86-30-6	Diphenylnitrosamine	C2276-1137	252	252	ug/Kg	U
91-20-3	Naphthalene	C2275-1125	46.5	46.5	ug/Kg	U
98-95-3	Nitrobenzene	C2275-1125	44.7	44.7	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2276-1137	1750	1750	ug/Kg	U
85-01-8	Phenanthrene	C2276-1137	210	210	ug/Kg	U
108-95-2	Phenol	C2275-1125	30.2	30.2	ug/Kg	U
129-00-0	Pyrene	C2275-1125	42.8	**1160**	ug/Kg	
110-86-1	Pyridine	C2275-1125	66.2	66.2	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1125	47.9	47.9	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1125	54.7	54.7	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1125	42.4	42.4	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1125	75.7	**974**	ug/Kg	

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1125	28.3 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1125	106.0 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1125	59.9 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1125	59.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1125	62.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1125	32.5 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1126	94.2	94.2	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1126	70.0	70.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2275-1126	68.4	68.4	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1126	76.1	76.1	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1126	73.8	73.8	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1126	89.7	89.7	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1126	49.2	49.2	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1126	85.2	85.2	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1126	74.3	74.3	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1126	94.7	94.7	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1126	797	797	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1126	136	136	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1126	93.3	93.3	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1126	109	109	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1126	109	109	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1126	89.9	969	ug/Kg	J
95-48-7	2-Methylphenol(o-Cresol)	C2275-1126	81.1	81.1	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1126	118	118	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1126	68.9	68.9	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1126	70.0	70.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1126	109	109	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1126	39.0	39.0	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2275-1126	990	990	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2275-1126	103	103	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1126	84.5	84.5	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1126	86.3	86.3	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1126	88.1	88.1	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1126	222	222	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1126	1510	1510	ug/Kg	U
83-32-9	Acenaphthene	C2275-1126	95.4	95.4	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1126	77.9	120	ug/Kg	J
62-53-3	Aniline	C2275-1126	70.4	70.4	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

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Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2275-1126	101	**160**	ug/Kg	J
92-87-5	Benzidine	C2275-1126	1990	1990	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1126	95.8	**673**	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2275-1126	118	**822**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	C2275-1126	94.0	**690**	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2275-1126	173	**964**	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1126	172	**702**	ug/Kg	J
65-85-0	Benzoic acid	C2275-1126	13300	13300	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1126	134	134	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1126	120	**639**	ug/Kg	J
86-74-8	Carbazole	C2275-1126	130	130	ug/Kg	U
218-01-9	Chrysene	C2275-1126	120	**739**	ug/Kg	J
	Cresol (total)	C2275-1126	151	151	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2275-1126	128	128	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1126	111	**597**	ug/Kg	J
53-70-3	Dibenzo[a,h]anthracene	C2275-1126	126	**787**	ug/Kg	J
132-64-9	Dibenzofuran	C2275-1126	75.7	75.7	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1126	148	148	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1126	109	109	ug/Kg	U
206-44-0	Fluoranthene	C2275-1126	125	**1080**	ug/Kg	J
86-73-7	Fluorene	C2275-1126	91.1	91.1	ug/Kg	U
118-74-1	Hexachlorobenzene	C2275-1126	96.9	96.9	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1126	90.6	90.6	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1126	700	700	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1126	101	101	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1126	105	**991**	ug/Kg	J
78-59-1	Isophorone	C2275-1126	104	104	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1126	68.4	68.4	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1126	144	144	ug/Kg	U
88-30-6	Diphenylnitrosamine	C2275-1126	123	123	ug/Kg	U
91-20-3	Naphthalene	C2275-1126	91.1	**1430**	ug/Kg	
98-95-3	Nitrobenzene	C2275-1126	87.7	87.7	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2275-1126	858	858	ug/Kg	U
85-01-8	Phenanthrene	C2275-1126	103	**407**	ug/Kg	J
108-95-2	Phenol	C2275-1126	59.1	59.1	ug/Kg	U
129-00-0	Pyrene	C2275-1126	83.8	**1010**	ug/Kg	J
110-86-1	Pyridine	C2275-1126	130	130	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1126	93.8	93.8	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1126	107	107	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1126	83.1	83.1	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1126	148	**769**	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1126	52.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1126	65.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1126	46.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1126	54.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1126	58.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1126	86.3 %	(18 - 137)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

EPA 8270 Semi-Volatiles:

Sample 3: The internal standard Phenanthrene -d10 did not pass QC in the undiluted extract. The sample was re-analyzed at a 4X dilution in order to minimize matrix interference. All compounds associated with this internal standard are reported from the 4X dilution.

Environmental Testing Laboratories, Inc.
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08/05/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

SUBSURFACE INVESTIGATION REPORT

GETTY #58014
5510 BROADWAY
BRONX, NEW YORK
NYSDEC SPILL #: 93-11138

APRIL 29, 2010

PREPARED FOR:

GETTY PROPERTIES CORP.
125 JERICHO TURNPIKE
JERICHO, NEW YORK 11753

PREPARED BY:

TYREE ENVIRONMENTAL CORP.
1 NORTHWAY LANE
LATHAM, NEW YORK 12110
(518) 786-3200

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1.0 INTRODUCTION

Tyree Environmental Corp. (Tyree) has prepared this Subsurface Investigation Report on behalf of Getty Properties Corp. (GPC), for former Getty Service Station #58014, located at 5510 Broadway, Bronx, New York (Figure 1). This report was prepared regarding Spill Number 93-11138 in accordance with numerous correspondences from September 2009 regarding the site work and the October 28, 2009 meeting discussion between Tyree and Delta Consultants with the New York State Department of Environmental Conservation (NYSDEC).

Nine (9) soil borings (SB-1 through SB-9) were advanced as part of the subsurface investigation. The purpose of the subsurface investigation was to further delineate vertical and horizontal impacts in the area of the ten (10) former 550-gallon "motor fuel" underground storage tanks (USTs) located on the southeast corner of the subject site and in the area of the recent divestment in the northwest corner of the subject site. Getty Petroleum Marketing, Inc. (GPMI) recently divested three (3) 4,000-gallon single wall steel underground storage tanks (USTs) encased in concrete and five (5) dispensers in July 2009.

2.0 SITE GEOLOGY

The subject property lies primarily on a flat area located approximately 1,700 feet west of the Jerome Park Reservoir. The area lies within the New England Uplands Physiographic Province of New York State. The topography is primarily derived from the most recent recession of the most recent glacial period. The site is supplied by municipal-fed water through the City of Bronx, New York.

The bedrock geology of the area is reported as Inwood and dolomite marble, quartzite, overlain by calcite marble: grades into underlying patchy lower quartzite of early Cambrian age. Bedrock is generally exposed within one meter of the surface. Subsurface soils on the project site, as determined by well borings SB-1 through SB-9 consist of a brown coarse to gray coarse sand to depths ranging from 0 to 15 feet below ground surface (bgs). Dark gray olive silty sands were observed at depths of 15 to 20 feet bgs. Soil boring logs have been included as Appendix A.

2.1 NOTIFICATIONS

An underground facility protective organization (UFPO) markout was called prior to the start of work to mark out any existing underground utilities. The appropriate permits for drilling completion were obtained by Associated Environmental Services, Ltd.

2.2 HEALTH AND SAFETY PLANNING

Tyree prepared a site-specific Health and Safety Plan (HASP) in accordance with the requirements of the Occupational Health and Safety Administration (OSHA Standard 29

CFR 1910.120). All personnel utilized by Tyree have the necessary training and are monitored in accordance with these requirements. The HASP was prepared by Tyree following a review of the site characteristics, location, and local emergency providers. The types and levels of environmental contamination at the subject site are expected to be petroleum related.

3.0 SITE HISTORY

During May 1993, Giles Engineering Associates was retained by Taco Bell Corporation to conduct a Geotechnical Engineering Exploration and Limited Volatile Organic Compound (VOC) Presence Study at the Popeye's Restaurant (Popeye's) located at 5530 Broadway Avenue, Bronx, New York. Seven soil borings (B-1 through B-7) were conducted to depths ranging from 11 to 21 feet bgs. As part of this Limited VOC Presence Study soil borings and groundwater samples were collected for laboratory analysis. Elevated levels of BTEX were detected in the soil and water samples collected from boring B-6. Refer to the Limited Volatile Organic Carbons study prepared by Giles during May 1993, for complete details.

During December 1993, Unico Environmental Inc. (Unico) was retained by Quick Quality Restaurants Inc. to conduct a Subsurface Investigation at Popeye's. As part of the investigation, Unico installed three monitoring wells (UW-1 through UW-3) to depths ranging from 12.5 to 24 feet bgs. Soil boring and groundwater samples were collected for laboratory analysis. Elevated levels of aromatic hydrocarbons were detected in groundwater samples collected from monitoring wells UW-1 and UW-2. Refer to the Subsurface Investigation report prepared by Unico during December 1993, for complete details.

During July 1994, Tyree was retained by Getty to complete an environmental site investigation and report for Getty service station # 58014. As part of the July 1994 investigation and subsequent investigations, Tyree installed six monitoring wells (MW-1 through MW-6) to depths of 20 feet bgs. Soil boring and groundwater samples were collected for laboratory analysis. Elevated levels of hydrocarbons were detected in the soil and groundwater samples collected from monitoring wells MW-1 through MW-6. Refer to the Environmental Site Investigation Report, prepared by Tyree during October 1994, for complete details.

Since the initial July 1994 investigation, monitoring wells MW-7 through MW-16 were installed to delineate the ground water impacts. Historical groundwater analytical results are provided in Table 1. Current groundwater analytical results from the Second Quarter 2010 Quarterly Sampling Report is presented in Figure 2.

During February 1995, Tyree was retained by Getty to perform a soil vapor extraction (SVE) pilot test. The pilot test was conducted on February 22, 1995, using a 2 hp regenerative blower. A vacuum of 0.1 inches of w.c. was not achieved at any vapor probe during this test. Therefore, another pilot test was performed on May 26, 1995, using a 5 hp regenerative blower. A vacuum of 0.1 inches of w.c. was achieved at 10 feet

for the pilot test well. Refer to the Soil Vapor Extraction Influence Test Report prepared by Tyree, June 1995, for complete details.

Between July 21, 2009 and July 29, 2009, three (3) 4,000 gallon single walled steel USTs, five (5) product dispensers and associated subsurface piping were removed from the site during a site divestment on behalf of GPMI. Two of the removed USTs were utilized for unleaded gasoline storage and one was used for diesel storage. During removal activities, petroleum stained soil and a 550 gallon 'ghost' UST were observed. On July 24, 2009, at 2:00 P.M. NYSDEC spill hotline was notified by GPMI and spill # 09-04799 was assigned to the site. Post-excavation soil samples collected during tank removal activities detected exceedences of VOCs in samples collected from the "North Tank Bottom" and "North Tank Dispenser". The Total BTEX concentrations in samples North Tank Bottom and North Tank Dispenser were 2,589 micrograms per kilogram (µg/kg) and 46,630 µg/kg, respectively. Post-excavation soil samples collected during tank removal activities detected exceedences of SVOCs in samples collected from "South Tank Southwall", "South Tank West Wall", "East Tank Bottom", "Piping Run North", "Piping Run South", "North Dispenser", "East Tank East Wall", and "East Tank North Wall". The post-excavation soil analytical results associated with the July 2009 GPMI UST removal are provided in Table 2 and Table 3. Please refer to the October 2009 Underground Storage Tank Closure Report prepared for GPMI for a complete summary of the UST removal and post excavation results.

4.0 SOIL BORING ADVANCEMENT

On October 21, 2009, Tyree oversaw Associated Environmental Services, Ltd. of Hauppauge, New York complete the advancement of nine (9) soil borings (SB-1 through SB-9) at the locations shown on Figure 1 using a Geoprobe® 6620DT drill rig and direct push methods. Detailed subsurface geology of the project site is presented in the boring logs included in Appendix B.

4.1 SOIL SAMPLING

During the soil boring activities, soil samples were collected in continuous 5-foot increments with disposable acetate liners placed in the macro core barrel. The core barrels were decontaminated between sample depths with a laboratory grade detergent wash and distilled water rinse. Upon retrieval of each core sample, the soil was classified using the Burmister system, and soil from each core was placed in a resealable plastic storage bag to allow any petroleum vapors to accumulate in the headspace. Each soil increment was field-screened with a photoionization detector (PID) to determine qualitative VOC concentrations (Table 1). Soil boring depth ranged from 7 to 20 feet bgs. During the advancement of SB-1 though SB-9, soil samples were collected from select intervals that exhibited the highest PID readings from the boring, or in the absence of PID readings from the interval associated with the capillary fringe. Upon collection, each sample was placed in laboratory supplied glassware, packed on ice, and shipped via overnight courier to Accutest Laboratories of

Dayton, New Jersey for analysis by EPA STARS Method 8260 including Methyl Tert Butyl Ether (MTBE).

4.2 SOIL SAMPLE ANALYTICAL RESULTS

A total of 18 soil samples [SB-1 (5-10'), SB-1 (15-20'), SB-2 (0-5'), SB-2 (5-7'), SB-3 (5-10'), SB-3 (10'15'), SB-4 (5-10'), SB-4 (15-20'), SB-5 (5-10'), SB-5 (15-20'), SB-6 (10-15'), SB-6 (15-20'), SB-7 (10-15'), SB-7 (15-20'), SB-8 (10-15'), SB-8 (15-20'), SB-9 (10-15'), and SB-9 (15-20')] were collected from these nine soil borings (SB-1 through SB-9). Laboratory analysis of soil samples SB-1 (5-10'), SB-1 (15-20'), SB-3 (5-10'), SB-5 (15-20'), SB-6 (15-20'), SB-7 (15-20'), SB-8 (15-20') and SB-9 (15-20') did not identify VOCs in excess of applicable NYSDEC Soil Cleanup Objectives for all compounds tested. Laboratory analysis of soil samples SB-2 (0-5'), SB-2 (5-7'), SB-3 (10-15'), SB-4 (5-10'), SB-4 (15-20'), SB-5 (5-10'), SB-6 (10-15'), SB-7 (10-15'), SB-8 (10-15'), and SB-9 (10-15') identified one or more VOCs in excess of applicable NYSDEC Soil Cleanup Objectives. Refer to Table 4 for a complete summary of the soil analytical results. The laboratory package is attached in Appendix B.

5.0 CONCLUSIONS

The October 2009 subsurface investigation identified VOCs in excess of NYSDEC Soil Cleanup Objectives in ten of the eighteen soil samples collected from all nine soil borings, with the exception of SB-1. The three borings advanced in the area of the previously removed 550-gallon tanks (SB-1, SB-2, and SB-3) identified VOC concentrations either below or only slightly above NYSDEC Soil Cleanup Objectives. Groundwater samples collected in the area of SB-1 through SB-3 during quarterly monitoring events identified only minor exceedences of NYSDEC Groundwater Quality Standards (GWQS) indicating the absence of a residual soil source in the area of the former 550-gallon tanks.

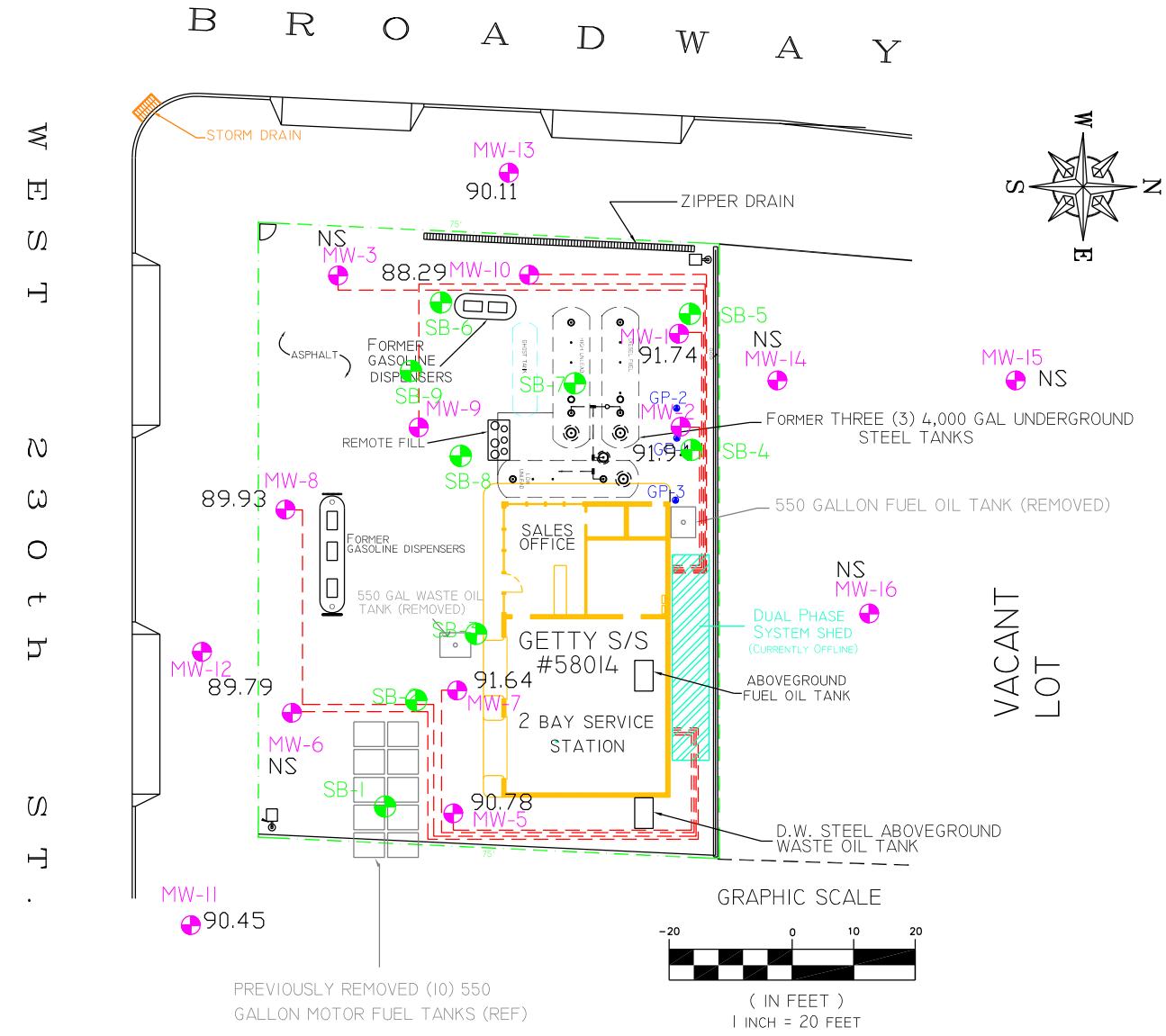
The October 2009 subsurface investigation identified elevated levels of VOCs in soil samples collected from soil borings advanced downgradient of the former GPMI gasoline dispensers and in the area of the divested GPMI gasoline USTs (SB-4, SB-5, SB-6, SB-7, SB-8, and SB-9). Soil samples collected from soil borings SB-4 and SB-5 contained the highest levels of total VOCs and were advanced adjacent to and downgradient from the three 4,000-gallon USTs removed by GPMI in July 2009. Elevated VOCs were detected in these soil samples at depths between 5 and 20 feet bgs at SB-4 and 5 to 10 feet bgs at SB-5. In addition, elevated VOCs were detected at shallow depths (10-15 feet bgs) downgradient of the former GPMI dispenser (SB-6), within the former GPMI tank field (SB-7), and downgradient of the former GPMI remote fill area (SB-8). Groundwater samples collected in the area of SB-4 through SB-9 during quarterly monitoring events identified exceedences of NYSDEC GWQS. Monitoring wells MW-2 and MW-9 which are adjacent to the former GPMI USTs historically contain the highest VOC concentrations above NYSDEC GWQS.

The October 2009 soil boring investigation identified only low level VOC impacts in soil borings advanced in the vicinity of the former 550-gallon tank field which Getty Properties has been investigating. The October 2009 soil boring investigation indicated that a majority of the elevated VOC impacts in soil were identified in soil borings advanced in the vicinity of GPMI's former tank system which was removed in July 2009, including locations adjacent to and downgradient of GPMI's former tank field, downgradient of GPMI's former dispenser, and downgradient of GPMI's former remote fills. The October 2009 soil investigation suggests that the soils have been adversely impacted by GPMI's operations which only recently ceased in July 2009. The groundwater data collected from the existing monitoring well network supports this conclusion as the majority of the impacts in groundwater are identified in monitoring wells adjacent to and downgradient of GPMI's former tank system while groundwater impacts near Getty Properties former 550-gallon tank field (located on the opposite end of the site) are minimal.

Based on the available soil and groundwater data, Tyree, on behalf of Getty Properties Corp, requests that NYSDEC Spill Number 93-11138 be closed and that GPMI address the remaining subsurface impacts under NYSDEC Spill Number 09-04799 which was assigned to GPMI during their July 2009 tank removal activities.

6.0 DISCLAIMER

This report was prepared for the sole use of Getty. The conclusions provided by Tyree in this assessment are based solely on the information provided in this document. Future investigative site information which was not available to Tyree at the time of this report preparation may result in a modification of conclusions stated within. The conclusions presented are based solely on the current regulatory climate and may require revision if future regulatory changes occur. All field activities have been performed in accordance with generally accepted hydrogeologic practices and under the guideline set forth by the NYSDEC. No other warranty, expressed or implied, is made.



LEGEND

- GHOST TANK
- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping
- SB-1 Soil Boring Location

Data Collected on 10/21/2009

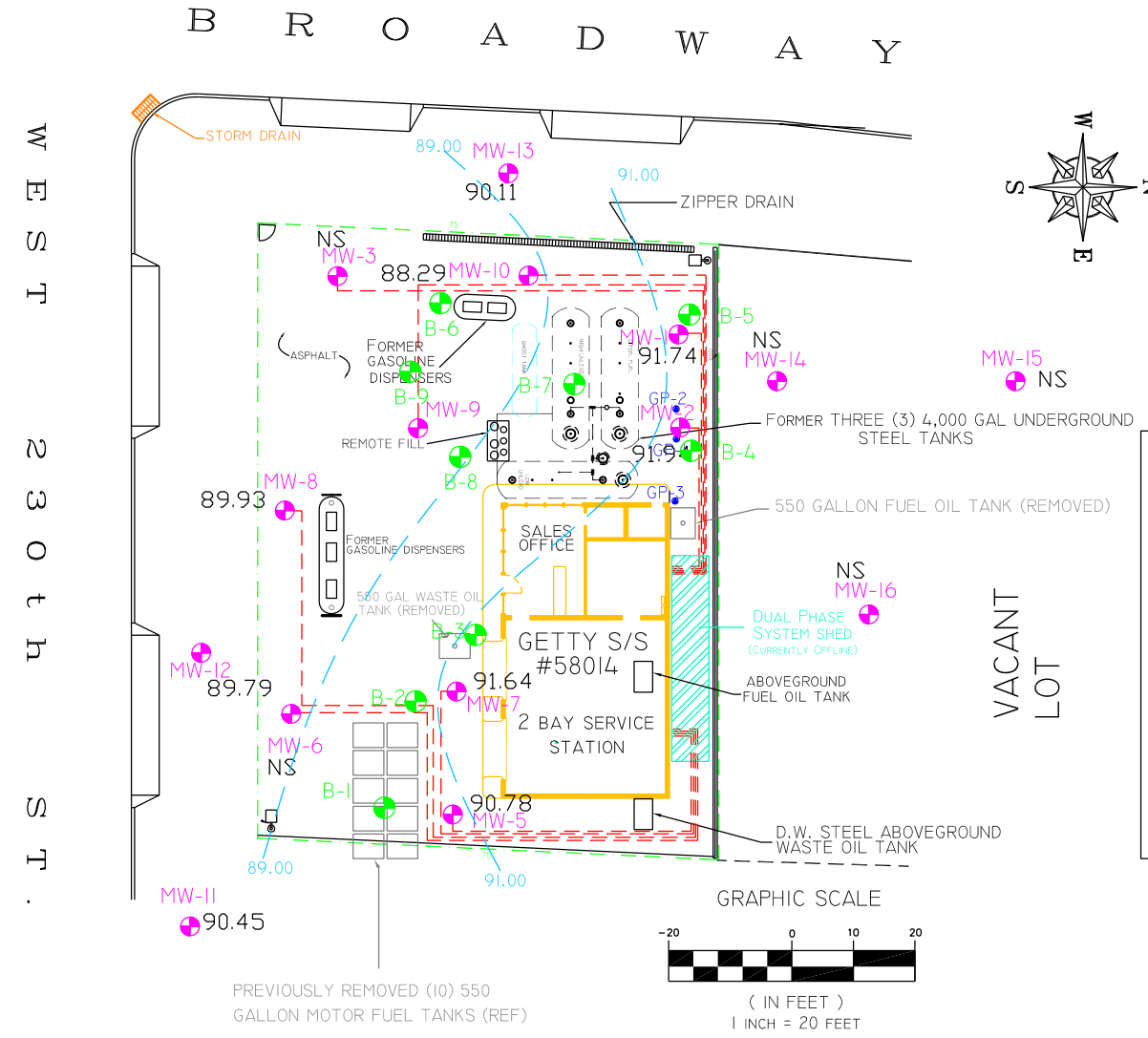
Boring ID	BTEX (ppb)	MTBE (ppb)
SB-1 (5-10')	<MDL	<MDL
SB-1 (15-20')	<MDL	<MDL
SB-2 (0-5')	2,042	<MDL
SB-2 (5-7')	1,679	<MDL
SB-3 (5-10')	3	<MDL
SB-3 (10-15')	10,839	<MDL
SB-4 (5-10')	171,790	79
SB-4 (15-20')	83,580	123
SB-5 (5-10')	129,965	<MDL
SB-5 (10-15')	8.99	7.1
SB-6 (10-15')	2,665	<MDL
SB-6 (15-20')	14	3
SB-7 (10-15')	14,284	<MDL
SB-7 (15-20')	25	4
SB-8 (10-15')	2,100	32
SB-8 (15-20')	71	22
SB-9 (10-15')	101	2
SB-9 (15-20')	26	3

<MDL Parameter Below Method Detection Limit

Tyree Environmental Corp

TITLE
FIGURE 1 - BORING LOCATION MAP

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03
SCALE: As Shown
PLATE
QMR



LEGEND

- GHOST TANK
- Property Line
- Apparent GW Contour Lines
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping
- B-1 Boring Location

Gauging Collected on 2/24/10
Data Collected on 2/24/10

Well ID	Groundwater Elevation	BTEX (ppb)	MTBE (ppb)
MW-1	91.74	162.3	4.7
MW-2	91.94	271	29.8
MW-3	NS	42.62	74
MW-5	90.78	<MDL	1.1
MW-6	NS	NS	NS
MW-7	91.64	2.16	<MDL
MW-8	89.93	0.73	56.4
MW-9	NS	NS	NS
MW-10	88.29	43.78	75.1
MW-11	90.45	<MDL	4.1
MW-12	89.79	0.29	0.58
MW-13	90.11	5.7	4.1
MW-14	NS	NS	NS
MW-15	NS	NS	NS
MW-16	NS	NS	NS

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NSP- No Sample, Free Product Detected

Tyree Environmental Corp

TITLE
FIGURE 2 - QUARTERLY MONITORING REPORT SITE MAP

SITE: GETTY SERVICE STATION #58014
LOCATION: 5510 BROADWAY
MARBLE HILL, THE BRONX
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: DLP
DATE: 10/03
SCALE: As Shown
PLATE: QMR

Table 1
Getty 58014, 5510 Broadway, Bronx, NY
Historical Groundwater Results

Well #	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	*Total BTEX (ppb)*	MTBE (ppb)	Ethanol (ppb)
MW-1	3/31/03	**25**	<MDL	<MDL	<MDL	*25*	**30.5**	
	6/12/03	**19.2**	1.2	4.98	**8.48**	*33.86*	5.38	
	9/18/03	**25.2**	<MDL	<MDL	0.93	*26.13*	9.99	
	12/2/03	**51**	4.58	**8.8**	**23.34**	*87.72*	7.5	
	3/16/04	**11**	<MDL	<MDL	<MDL	*11*	7.99	
	7/7/04	**23.8**	<MDL	<MDL	0.69	*24.49*	**171**	
	9/29/04	**56**	<MDL	<MDL	0.84	*56.84*	3.88	
	6/27/05	**8.28**	<MDL	<MDL	<MDL	*8.28*	3.76	
	9/19/05	**4.13**	<MDL	<MDL	0.7	*4.83*	4.56	
	12/15/05	**5.57**	<MDL	<MDL	<MDL	*5.57*	4.03	
	3/28/06	**1.39**	<MDL	<MDL	<MDL	*<MDL*	5.57	
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.84	
	9/26/06	**11.9**	0.67	<MDL	1.7	*14.27*	4.87	
	12/11/06	**1.07**	<MDL	<MDL	<MDL	*1.07*	3.27	
	3/13/07	**1**	<MDL	<MDL	1.7	*2.7*	1.3	
	6/15/07	**1.1**	<MDL	<MDL	<MDL	*1.1*	<MDL	
	10/1/07	**5.7**	2	0.36	4	*12.06*	3	
	12/26/07	**31.7**	<MDL	<MDL	4.6	*36.3*	2.5	
	5/2/28	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.8	
	6/23/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.9	
	10/31/08	**3.8**	<MDL	<MDL	2.8	*6.6*	2.9	
	4/22/09	0.99	<MDL	<MDL	<MDL	*0.99*	1	
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.1	
	2/24/10	**28.2**	3.2	1.9	**129**	*162.3*	4.7	
MW-2	3/31/03	NSP	NSP	NSP	NSP	*NSP*	NSP	
	6/12/03	**711**	**713**	**1740**	**4141**	*7305*	**100**	
	9/18/03	NSP	NSP	NSP	NSP	*NSP*	NSP	
	12/2/03	**1350**	**728**	**1450**	**3652**	*7180*	**279**	
	3/16/04	**1410**	**743**	**2100**	**5944**	*10197*	**286**	
	7/7/04	**955**	**478**	**1960**	**4502**	*7895*	**453**	
	9/29/04	**1260**	**1080**	**2160**	**5139**	*9639*	**529**	
	6/27/05	**1060**	**644**	**1980**	**4317**	*8001*	**163**	
	9/19/05	NSP	NSP	NSP	NSP	*NSP*	NSP	
	12/15/05	**1360**	**833**	**1820**	**5066**	*9079*	**123**	
	3/28/06	**701**	**316**	**1760**	**4211**	*6988*	**67.2**	
	6/15/06	**714**	**124**	**1770**	**2942**	*5550*	**103**	
	9/26/06	**586**	**217**	**967**	**1976**	*3746*	**85**	
	12./11/06	**911**	**541**	**1790**	**3872**	*7114*	**58.9**	
	3/13/07	**497**	**144**	**1190**	**2230**	*4061*	**28.1**	
	6/15/07	**383**	**151**	**1680**	**2320**	*4534*	<MDL	
	10/1/07	**448**	**168**	**1250**	**1800**	*3050*	**49.6**	
	12/26/07	**306**	**143**	**728**	**1240**	*2417*	9.1	
	5/2/28	**453**	**89.3**	**1310**	**1150**	*3002.3*	**12.3**	<MDL
	6/23/08	NA	NA	NA	NA	*NA*	NA	
	10/31/08	**340**	**84.5**	**874**	**1090**	*2388.5*	**16.3**	
	4/22/09	**296**	**216**	**1420**	**1860**	*3792*	7.6	
	7/16/09	**308**	**163**	**1220**	**1600**	*3291*	**34.1**	
	2/24/10	**125**	**86.3**	**11.1**	**48.6**	*271*	**29.8**	

MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	**17.5**	
	6/12/03	**1.43**	<MDL	<MDL	<MDL	*1.43*	**128**	
	9/18/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	**44.4**	
	12/2/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	**32.5**	
	3/16/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	**2010**	
	7/7/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	**3650**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	**1190**	
	6/27/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	**24**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	**57.1**	
	12/15/05	0.65	<MDL	<MDL	<MDL	*0.65*	**12.4**	
	3/28/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	6.96	
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	6.2	
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	3.87	
	12/11/06	**1.04**	<MDL	<MDL	<MDL	*1.04*	5.54	
	3/13/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	4.3	
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.8	
	10/1/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	2	
	12/26/07	**1.3**	<MDL	<MDL	<MDL	*1.3*	2	
	5/2/28	**8.6**	<MDL	<MDL	<MDL	*8.6*	2.7	
	6/23/08	**3.7**	<MDL	<MDL	<MDL	*3.7*	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.9	
	4/22/09	**2.2**	<MDL	<MDL	<MDL	*2.2*	0.61	
	7/16/09	<MDL	<MDL	1.4	1.1	*2.5*	<MDL	
	2/24/10	**40.4**	0.75	0.52	0.95	*42.62*	**74**	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

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NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	**11.2**
	6/12/03	**1.09**	<MDL	<MDL	<MDL	*1.09*	**12.4**
	9/18/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	**28.8**
	12/2/03	**1.17**	<MDL	<MDL	<MDL	*1.17*	**19.1**
	3/16/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	**15.3**
	7/7/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	9.27
	9/29/04	NA	NA	NA	NA	*NA*	NA
	6/27/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	6.46
	9/19/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	4.21
	12/15/05	0.56	<MDL	<MDL	<MDL	*0.56*	3.86
	3/28/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	3.52
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.55
	12/11/06	DRY	DRY	DRY	DRY	*DRY*	DRY
	3/13/07	<MDL	<MDL	<MDL	2.1	*2.1*	1.5
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	10/1/07	0.28	<MDL	<MDL	<MDL	*0.28*	1.3
	12/26/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	2
	5/2/28	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.2
	10/31/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.6
	4/22/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	0.76
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.3
	2/24/10	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.5

MW-6	3/31/03	**365**	2.41	**16.5**	**17.46**	*401.37*	**111**	
	6/12/03	**27.8**	<MDL	**6.14**	3.08	*37.02*	**5.59**	
	9/18/03	**397**	<MDL	**19.9**	**18.3**	*435.2*	**128**	
	12/2/03	**91**	<MDL	**9.82**	**8.29**	*109.11*	**27.4**	
	3/16/04	**29.2**	<MDL	3.06	2.85	*35.11*	**40.5**	
	7/7/04	**13.1**	<MDL	<MDL	<MDL	*13.1*	**137**	
	9/29/04	**59.2**	1.04	**8.2**	**5.93**	*74.37*	**42.8**	
	6/27/05	**65.3**	0.65	1.59	3.1	*70.64*	**86.5**	
	9/19/05	**57.6**	<MDL	3.4	3.75	*64.75*	**90.4**	
	12/15/05	**53.5**	0.89	1.8	1.77	*57.96*	**44.3**	
	3/28/06	**37.4**	<MDL	<MDL	<MDL	*<MDL*	**34.1**	
	6/15/06	**118**	1.7	**6.17**	**17.1**	*142.97*	**92.4**	
	9/26/06	**51.2**	0.83	3.02	**12.3**	*67.35*	**35.7**	
	12/11/06	**43.2**	<MDL	<MDL	<MDL	*43.2*	**20.1**	
	3/13/07	**20.3**	<MDL	<MDL	1.5	*21.8*	**12.3**	
	6/15/07	**28.7**	<MDL	<MDL	<MDL	*28.7*	**12.5**	
	10/1/07	DRY	DRY	DRY	DRY	*DRY*	DRY	
	12/26/07	**49.3**	**1.5**	<MDL	<MDL	*50.8*	**14.7**	
	5/2/28	**40**	<MDL	<MDL	<MDL	*40*	**10.2**	
	6/23/08	**30**	<MDL	1.1	**5.3**	*36.4*	9.7	
	10/31/08	**37.3**	1.3	<MDL	2.7	*41.3*	**11.1**	
	4/22/09	**25.4**	0.8	0.57	0.68	*27.45*	6.6	
	7/16/09	**34.1**	2	**14.4**	**25.5**	*76*	5.3	
	2/24/10	NS	NS	NS	NS	*NS*	NS	
MW-7	3/31/03	**45.3**	<MDL	3.67	6.06	*55.03*	**27.7**	
	6/12/03	**289**	**6.6**	**16.6**	**188.6**	*500.8*	**91.9**	
	9/18/03	**394**	4.38	**5.95**	**17.11**	*421.44*	**143**	
	12/2/03	**244**	3.62	**13.5**	**17.25**	*278.37*	**76.8**	
	3/16/04	**420**	4.27	**29.7**	**9.06**	*463.03*	**107**	
	7/7/04	**363**	4.42	**30.6**	**16.68**	*414.72*	**73.3**	
	9/29/04	**353**	**5.01**	**20.2**	**11.41**	*389.62*	**74.4**	
	6/27/05	**364**	3.57	**9.5**	2.95	*380.02*	**44.3**	
	9/19/05	**345**	**6.3**	**12**	**22.49**	*385.79*	**47.2**	
	12/15/05	**440**	**7**	4.28	**6.81**	*458.09*	**46.6**	
	3/28/06	**338**	3.09	<MDL	<MDL	*341.09*	**36.2**	
	6/15/06	**275**	4.76	**5.18**	**13.99**	*298.93*	**25.4**	
	9/26/06	**194**	3.44	1.68	**20.97**	*220.09*	**17.7**	
	12/11/06	**396**	**5.44**	4.17	4.99	*410.6*	**19.9**	
	3/13/07	**329**	4.5	3.4	4.3	*341.2*	**18**	
	6/15/07	**330**	4.1	**8.8**	2.3	*345.2*	**20.4**	
	10/1/07	**335**	**6.5**	4	4.7	*350.2*	**16.7**	
	12/26/07	**290**	4	2.1	3.3	*299.4*	**17.5**	
	5/2/28	**218**	3.1	**5.5**	3.7	*230.3*	**12.9**	
	6/23/08	**217**	2.5	1.1	2.6	*223.2*	**11.3**	
	10/31/08	**278**	**8.2**	**8.1**	**25.7**	*320*	**16.9**	
	4/22/09	**197**	4.3	1.8	2.9	*206*	9.6	
	7/16/09	**224**	3.6	**7.7**	1.9	*237.2*	**18**	
	2/25/10	0.45	<MDL	0.31	1.4	*2.16*	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

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DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

MW-8	3/31/03	**131**	4.12	**53.6**	**79.7**	*268.42*	**35.2**	
	6/12/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	9/18/03	**92.2**	3.64	**22.1**	**32.94**	*150.88*	**41.8**	
	12/2/03	**28.4**	0.79	**5.82**	**8.65**	*43.66*	**10.4**	
	3/16/04	**2.74**	<MDL	0.58	<MDL	*3.32*	5.19	
	7/7/04	**2.57**	<MDL	<MDL	<MDL	*2.57*	3.82	
	9/29/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	**19.6**	
	6/27/05	**12.8**	<MDL	0.36	2.74	*15.9*	5.37	
	9/19/05	**31.5**	0.73	2.48	1.17	*35.88*	**14.5**	
	12/15/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.05	
	3/28/06	**1.11**	<MDL	<MDL	<MDL	*1.11*	3.21	
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	0.84	
	12/11/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	3/13/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/1/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	5	
	12/26/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	3.9	
	5/2/28	**2.1**	<MDL	<MDL	<MDL	*2.1*	1.7	<MDL
	6/23/08	**21.3**	<MDL	<MDL	<MDL	*21.3*	5.2	
	10/31/08	**34.4**	<MDL	<MDL	1.5	*35.9*	**34.1**	
	4/22/09	**1.8**	<MDL	<MDL	<MDL	*1.8*	4.8	
	7/16/09	**1.1**	<MDL	<MDL	<MDL	*1.1*	<MDL	
	2/24/10	0.36	<MDL	<MDL	0.37	*0.73*	**56.4**	
MW-9	3/31/03	**7770**	<MDL	**291**	<MDL	*8061*	**2700**	
	6/12/03	**2680**	**19.1**	**107**	**227**	*3033.1*	**1160**	
	9/18/03	**9660**	**40.8**	**163**	**229.3**	*10093.1*	**2870**	
	12/2/03	**8790**	<MDL	**114**	**89.3**	*8993.3*	**2750**	
	3/16/04	**2.33**	<MDL	<MDL	<MDL	*2.33*	**33.7**	
	7/7/04	**6730**	**29.8**	**98.8**	**43.8**	*6902.4*	**1850**	
	9/29/04	**7930**	**31.5**	**148**	**52.1**	*8161.6*	**2860**	
	6/27/05	**7300**	**37.3**	**118**	**64.7**	*7520*	**1610**	
	9/19/05	**8720**	**46.2**	**78**	**96.1**	*8940.3*	**2400**	
	12/15/05	**9630**	**50.7**	**110**	**62**	*9852.7*	**2010**	
	3/28/06	**7740**	<MDL	**114**	**107**	*7961*	**1170**	
	6/15/06	**4190**	**23.8**	**67.7**	<MDL	*4281.5*	**949**	
	9/26/06	**5840**	**28.2**	**63.9**	**75.2**	*6007.3*	**1130**	
	12/11/06	**6430**	<MDL	**133**	**109**	*6672*	**1410**	
	3/13/07	**6770**	**37.6**	**52.1**	**26.1**	*6885.8*	**938**	
	6/15/07	**6090**	**32.4**	**48.8**	**46.7**	*6217.9*	**1350**	
	10/1/07	**7720**	**43.1**	**47.3**	**93**	*7903.4*	**1380**	
	12/26/07	**7520**	**44.9**	**51.6**	**81.4**	*7697.9*	**1210**	
	5/2/28	**6070**	**48.9**	**58.6**	**86.1**	*6263.6*	**415**	<MDL
	6/23/08	**6960**	**39.2**	**44.9**	**55.8**	*7099.9*	**497**	
	10/31/08	**6690**	**33.5**	**49.1**	**66.9**	*6839.5*	**1060**	
	4/22/09	**5460**	**32.5**	**52.2**	**39.8**	*5584.5*	**314**	
	7/16/09	**3300**	**19.2**	**63**	**18.5**	*3400.7*	**531**	
	2/24/10	NS	NS	NS	NS	*NS*	NS	

MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	*<MDL*	**22.7**	
	6/12/03	NS	NS	NS	NS	*NS*	NS	
	9/18/03	**2.96**	<MDL	<MDL	<MDL	*2.96*	**38.6**	
	12/2/03	**7.99**	<MDL	<MDL	<MDL	*7.99*	**50.9**	
	3/16/04	**10200**	**62**	**178**	**161.6**	*10601.6*	**2620**	
	7/7/04	**2.78**	<MDL	<MDL	<MDL	*2.78*	**80.7**	
	9/29/04	<MDL	<MDL	<MDL	<MDL	*<MDL*	**320**	
	6/27/05	0.63	<MDL	<MDL	<MDL	*0.63*	**10.6**	
	9/19/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	6.41	
	12/15/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.5	
	3/28/06	NA	NA	NA	NA	*NA*	NA	
	6/15/06	**4.46**	<MDL	<MDL	<MDL	*4.46*	7.14	
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.09	
	12/11/06	NA	NA	NA	NA	*NA*	NA	
	3/13/07	NA	NA	NA	NA	*NA*	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/1/07	NA	NA	NA	NA	*NA*	NA	
	12/26/07	**1.6**	<MDL	<MDL	<MDL	*1.6*	1.2	
	5/2/28	**2.1**	<MDL	<MDL	<MDL	*2.1*	<MDL	
	6/23/08	0.63	<MDL	<MDL	<MDL	*0.63*	<MDL	
	10/31/08	0.79	<MDL	<MDL	<MDL	*0.79*	<MDL	
	4/22/09	NA	NA	NA	NA	*NA*	NA	
	7/16/09	<MDL	<MDL	**5**	<MDL	*5*	<MDL	
	2/10/00	0.76	0.57	0.95	**43.78**	*75.1*	<MDL	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

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(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	12/11/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	3/13/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	10/1/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	0.35
	12/26/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	5/2/28	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	4/22/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	2/24/10	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
MW-12	12/15/05	**118**	**59.2**	**502**	**2734**	*3407.2*	**18.4**
	3/28/06	**96.7**	<MDL	**5.3**	**1910**	*2012*	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	12/11/06	**2.55**	<MDL	**5.73**	12.91	*21.19*	1
	3/13/07	0.64	<MDL	<MDL	<MDL	*0.64*	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	10/1/07	**109**	**6.5**	**163**	**69.8**	*348.3*	21.3
	12/26/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	5/2/28	**21.3**	3.7	**50.8**	**35.4**	*111.2*	4.7
	6/23/08	**45.4**	2.9	**99.3**	**24.5**	*172.1*	6.4
	10/31/08	**100**	2.5	**101**	4.7	*208.2*	**25.7**
	4/22/09	**1.6**	<MDL	0.5	<MDL	*2.1*	0.59
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL
	2/24/10	0.29	<MDL	<MDL	<MDL	*0.29*	0.58

MW-13	12/15/05	**6.36**	0.41	<MDL	0.74	*7.51*	0.86	
	3/28/06	**7.07**	<MDL	<MDL	1.88	*8.95*	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.65	
	9/26/06	**3.69**	<MDL	<MDL	<MDL	*3.69*	1.61	
	12/11/06	**3.62**	<MDL	<MDL	<MDL	*3.62*	2.14	
	3/13/07	**6.7**	<MDL	<MDL	2.4	*9.1*	2.5	
	6/15/07	**1.5**	<MDL	<MDL	<MDL	*1.5*	<MDL	
	10/1/07	**5.2**	0.73	1.1	2.8	*9.83*	0.94	
	12/26/07	**10.9**	<MDL	<MDL	2.9	*13.8*	1	
	5/2/28	**3.3**	<MDL	<MDL	<MDL	*3.3*	<MDL	
	6/23/08	**7.2**	<MDL	<MDL	<MDL	*7.2*	<MDL	
	10/31/08	**12.3**	<MDL	<MDL	<MDL	*12.3*	<MDL	
	4/22/09	NA	NA	NA	NA	*NA*	NA	
	7/16/09	**11**	<MDL	13.1	2.2	*26.3*	<MDL	
	2/24/10	**5.7**	<MDL	<MDL	<MDL	*5.7*	4.1	
MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	12/11/06	NA	NA	NA	NA	*NA*	NA	
	3/13/07	NA	NA	NA	NA	*NA*	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/1/07	NA	NA	NA	NA	*NA*	NA	
	12/26/07	NA	NA	NA	NA	*NA*	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	4/22/09	NA	NA	NA	NA	*NA*	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	2/24/10	NS	NS	NS	NS	*NS*	NS	
MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	3/28/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	6/15/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	12/11/06	NA	NA	NA	NA	*NA*	NA	
	3/13/07	NA	NA	NA	NA	*NA*	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/1/07	NA	NA	NA	NA	*NA*	NA	
	12/26/07	NA	NA	NA	NA	*NA*	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/31/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	4/22/09	NA	NA	NA	NA	*NA*	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	2/24/10	NS	NS	NS	NS	*NS*	NS	
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	*<MDL*	2.84	
	3/28/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	5.64	
	9/26/06	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	12/11/06	NA	NA	NA	NA	*NA*	NA	
	3/13/07	NA	NA	NA	NA	*NA*	NA	
	6/15/07	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	10/1/07	NA	NA	NA	NA	*NA*	NA	
	12/26/07	NA	NA	NA	NA	*NA*	NA	
	5/2/28	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	6/23/08	<MDL	<MDL	<MDL	<MDL	*<MDL*	1.3	
	10/31/08	NA	NA	NA	NA	*NA*	NA	
	4/22/09	NA	NA	NA	NA	*NA*	NA	
	7/16/09	<MDL	<MDL	<MDL	<MDL	*<MDL*	<MDL	
	2/24/10	NS	NS	NS	NS	*NS*	NS	
NYSDEC Groundwater Standard		1	5	5	5	--	10	No Standard Available

<MDL - Parameter Below Method Detection Limit
NA - Well Not Accessible
NSP - No Sample Taken, Well Contains Free Phase Product
DRY - No Sample Taken, Insufficient Water Yield
(Bold value) - Concentration Exceeds NYSDEC Groundwater Protection Criteria

Table 2
Soil Sample VOC Analytical Results -from UST Closure Report (10/8/2009)- Getty Petroleum Marketing Inc.
Tank Field
Getty Station #58014, 5510 Broadway Ave., Bronx, NY
EPA Method 8260

	Soil Sample Locations												
	7/21/2009		7/22/2009	7/23/2009		7/27/2009			7/29/2009				
Contaminant	South Tank South Wall	Ghost Tank Northwall	South Tank West Wall	North Tank West Wall	North Tank North Wall	North Tank Bottom	East Tank Botom	South Tank Bottom	Piping Run North	Piping Run South	South Dispenser	North Dispenser	NYSDEC Recommended Soil Cleanup Objectives
Benzene	BDL	BDL	BDL	BDL	BDL	1.530	2.03	3.36	BDL	BDL	1.4	**590**	60
Toluene	BDL	BDL	BDL	BDL	BDL	115	81.7	93	0.74	BDL	6.4	**14,600**	1500
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	126	108	130	BDL	BDL	BDL	3,970	5500
total-xylene	BDL	BDL	BDL	BDL	BDL	818	666	927	3.1	BDL	8.3	**27,470**	1200
total-BTEX	-	-	-	-	-	*2589*	*857.73*	*1153.36*	*3.84*	-	*16.1*	*46,630*	NA
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	78	100	200
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	13.10	12.8	17.9	BDL	BDL	1.5	110	5000
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	55.50	54.3	72.7	BDL	BDL	BDL	300	10000
1,2,4 - Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	442	404	506	3.5	0.0013	32	5,540	10000
1,2,4,5-Tetramethylbenzene	BDL	0.76	0.76	BDL	BDL	38.70	41.9	55.6	1.3	BDL	28	30	NA
1,3,5 - Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	124	117	150	1.4	BDL	38	500	3310
2-Nutanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	NA
n-Butyl-Benzene	BDL	BDL	BDL	BDL	BDL	26.80	30.5	4.75	BDL	BDL	23	28	10000
sec-Butyl-Benzene	19	BDL	BDL	BDL	BDL	5.67	7.23	0.00854	BDL	BDL	107	15	10000
tert-Butyl-Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10000
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3,710	BDL	300
p-Ethyltoluene	BDL	BDL	BDL	BDL	BDL	336	316	39	2.6	0.71	39	5,760	NA
p-Diethylbenzene	BDL	BDL	BDL	BDL	BDL	129	124	155	BDL	BDL	BDL	120	NA
4-Isopropyltoluene	5.43	BDL	BDL	BDL	BDL	11.60	12.6	16.4	BDL	BDL	43	8	10000
Naphthalene	BDL	BDL	BDL	BDL	BDL	**50.900**	54.4	70.6	2.3	1.2	BDL	31	13000
Methly-t-butyl ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	72	120

	Soil Sample Locations			
	7/24/2009			
Contaminant	East Tank East Wall	East Tank North Wall	East Tank South Wall	NYSDEC NYSDEC Recommended Soil Cleanup Objectives
Benzene	BDL	BDL	BDL	60
Toluene	BDL	3.90	57.0	1500
Ethylbenzene	BDL	3.10	69.0	5500
total-xylene	BDL	131	690	1200
total-BTEX	BDL	BDL	BDL	NA
Acetone	BDL	BDL	82.0	200
Isopropylbenzene	BDL	1.60	16.0	5000
n-Propylbenzene	BDL	4.10	92.0	10000
1,2,4 - Trimethylbenzene	BDL	11	1160	10000
1,2,4,5-Tetramethylbenzene	0.69	79	180	NA
1,3,5 - Trimethylbenzene	BDL	220	BDL	3310
2-Nutanone	BDL	BDL	16.0	NA
n-Butyl-Benzene	BDL	28.0	92.0	10000
sec-Butyl-Benzene	BDL	3.70	20.0	10000
tert-Butyl-Benzene	BDL	BDL	BDL	10000
Bromodichloromethane	BDL	BDL	BDL	NA
Chloroform	BDL	BDL	BDL	300
p-Ethyltoluene	BDL	83.0	600	NA
p-Diethylbenzene	BDL	BDL	490	NA
4-Isopropyltoluene	BDL	4.30	12.0	10000
Naphthalene	BDL	11.0	300	13000
Methly-t-butyl ether	BDL	BDL	BDL	120

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) BDL: Below Detection Level
4.) DEC Recommended Soil Cleanup Objective from TAGM 4046.
5.) Bold numerals exceed recommended soil cleanup objective values.
6) NA = No Standard Available.

Table 3
Soil Sample SVOC Analytical Results -from *UST Closure Report (10/8/2009)* - Getty Petroleum Marketing Inc.
Getty Station #58014, 5510 Broadway Ave., Bronx, NY
EPA Method 8270

Contaminant	Soil Sample Locations												NYSDEC Recommended Soil Cleanup Objectives
	7/21/2009		7/22/2009	7/23/2009	7/27/2009				7/29/2009				
	South Tank Southwall	Ghost Tank Northwall	South Tank West Wall	North Tank West Wall	North Tank Bottom	East Tank Bottom	South Tank Bottom	North Tank North Wall	Piping Run North	Piping Run South	South Dispenser	North Dispenser	
Naphthalene	BDL	BDL	BDL	BDL	**22,300**	**40,300**	**27,900**	BDL	BDL	BDL	BDL	1,430	13000
Anthracene	38.0	BDL	BDL	BDL	65.5	89.7	78.7	BDL	BDL	BDL	BDL	160	50000
Acenaphthene	BDL	BDL	BDL	BDL	660	165	102	BDL	BDL	BDL	BDL	BDL	50000
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	120	50000
Benzo(a)anthracene	92.0	BDL	BDL	BDL	BDL	92.6	BDL	BDL	58.3	64.6	BDL	**673**	224
Benzo(b)fluoranthene	79.0	BDL	80.7	BDL	BDL	BDL	BDL	BDL	58.6	86.5	BDL	690	1100
Benzo(k)fluoranthene	76.0	BDL	61.6	BDL	BDL	66.1	BDL	BDL	BDL	88.1	BDL	702	1100
Benzo(g,h,I)perylene	190	BDL	203	BDL	BDL	BDL	BDL	BDL	282	286	289	964	50000
Benzo(a)pyrene	**120**	BDL	**103**	BDL	BDL	**79.4**	BDL	BDL	**64.6**	**95.9**	BDL	**822**	61
Butyl benzyl phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	639	50000
Bis (2-Ethylhexyl)phthalate	180	BDL	106	BDL	BDL	BDL	BDL	BDL	**442**	322	974	769	50000
Chrysene	87.0	BDL	70.9	BDL	BDL	140	BDL	BDL	67.5	78.7	241	**739**	400
Cresols	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Dibenzo(a,h)anthracene	**58.0**	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**310**	**300**	BDL	**787**	14
Dibenzofuran	BDL	BDL	BDL	BDL	BDL	205	70.3	BDL	BDL	BDL	BDL	BDL	6200
Di-n-octyl-phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	398	597	50000
Diphenylnitrosamine	BDL	BDL	BDL	BDL	66.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7900
Fluoranthene	130	BDL	62.2	BDL	BDL	170	83.3	BDL	112	92.1	BDL	1,080	50000
Fluorene	BDL	BDL	BDL	BDL	0.135	429	192	BDL	BDL	BDL	BDL	BDL	50000
Indeno(1,2,3-cd)pyrene	140	BDL	84.2	BDL	BDL	BDL	BDL	BDL	304	309	BDL	991	3200
2-Methylnapthalene	BDL	BDL	BDL	BDL	15,400	30,900	20,600	BDL	BDL	BDL	BDL	969	36400
2-Methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
3+4-Methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Phenanthrene	BDL	BDL	BDL	BDL	BDL	410	245	174	61.2	BDL	BDL	407	50000
Phenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	30
Pyrene	BDL	BDL	113	BDL	66.6	181	91.8	BDL	97.5	91.6	1,160	1,010	50000

Contaminant	7/24/2009			NYSDEC Recommended Soil Cleanup Objectives
	East Tank East Wall	East Tank North Wall	East Tank South Wall	
Naphthalene	BDL	260	490	13000
Anthracene	BDL	BDL	BDL	50000
Acenaphthene	BDL	BDL	BDL	50000
Acenaphthylene	BDL	BDL	BDL	50000
Benzo(a)anthracene	210	54	BDL	224
Benzo(b)fluoranthene	170	70	BDL	1100
Benzo(k)fluoranthene	200	59	BDL	1100
Benzo(g,h,I)perylene	130	BDL	BDL	50000
Benzo(a)pyrene	**210**	**66**	BDL	61
Butyl benzyl phthalate	BDL	BDL	BDL	50000
Bis (2-Ethylhexyl)phthalate	BDL	BDL	BDL	50000
Chrysene	200	69	BDL	400
Cresols	BDL	BDL	200	NA
Dibenzo(a,h)anthracene	BDL	BDL	BDL	14
Dibenzofuran	BDL	BDL	BDL	6200
Di-n-octyl-phthalate	BDL	BDL	BDL	50000
Diphenylnitrosamine	BDL	BDL	BDL	NA
1,2-Dichlorobenzene	BDL	BDL	BDL	7900
Fluoranthene	340	79	BDL	50000
Fluorene	BDL	BDL	BDL	50000
Indeno(1,2,3-cd)pyrene	110	BDL	BDL	3200
2-Methylnapthalene	BDL	350	390	36400
2-Methylphenol	BDL	BDL	**130**	100
3+4-Methylphenol	BDL	BDL	76	NA
Phenanthrene	56	BDL	BDL	50000
Phenol	BDL	BDL	**110**	30
Pyrene	320	78	BDL	50000

1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8270.
3.) BDL: Below Detection Level
4.) DEC Recommended Soil Cleanup Objective from TAGM 4046.
5.) Bold numerals exceed recommended soil cleanup objective values.
6.) NA = No Standard Available.

Table 4
Summary of Volatile Organic Compounds in Soil
Getty 58014,. 5510 Broadway, Bronx, NY
EPA Method 8260

Contaminant	Soil Sample Locations 10/21/2009										Recommended Soil Cleanup Objectives	Part 375-6.8(a)-Unrestricted Use
	SB-1 (5-10')	SB-1 (15-20')	SB-2 (0-5')	SB-2 (5-7')	SB-3 (5-10')	SB-3 (10-15')	SB-4 (5-10')	SB-4 (15-20')	SB-5 (5-10')	SB-5 (15-20')		
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	**1,190**	**1,180**	**165**	2	60	60
Toluene	BDL	BDL	111	34	1	1,620	**16,500**	**20,400**	**4,500**	3.6	1500	700
Ethylbenzene	BDL	BDL	101	75	BDL	819	**25,100**	**10,400**	**10,300**	0.99	5500	1,000
total-xylene	BDL	BDL	**1,830**	**1,570**	2	**8,400**	**129,000**	**51,600**	**115,000**	2.4	1200	260
total-BTEX	BDL	BDL	2,042	1,679	3	10,839	171,790	83,580	129,965	8.99	NA	*2,020*
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	101	2,930	1,080	2,510	BDL	5000	NA
n-Propylbenzene	BDL	BDL	118	142	BDL	429	**11,000**	4,540	8,560	BDL	10000	3,900
1,2,4 - Trimethylbenzene	BDL	BDL	2,120	2,710	BDL	4,010	**98,000**	**33,100**	**86,100**	1.1	10000	3,600
p-Isopropyltoluene	BDL	BDL	34	39	BDL	46	1,530	464	1,200	BDL	NA	NA
1,3,5 - Trimethylbenzene	BDL	BDL	962	1,100	BDL	1,410	**29,800**	**8,380**	**23,200**	BDL	3310	8,400
n-Butyl-Benzene	BDL	0.6	133	166	BDL	194	4,700	1,660	4,220	BDL	10000	12,000
sec-Butyl-Benzene	BDL	6.3	58	69	BDL	95	2,140	666	1,630	1.2	10000	11,000
tert-Butyl-Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.2	10000	NA
Naphthalene	BDL	BDL	174	34	BDL	399	**21,000**	5,950	**15,200**	BDL	13000	12,000
Methyl-t-butyl ether	BDL	BDL	BDL	BDL	BDL	BDL	79	123	BDL	7.1	120	930

Contaminant	Soil Sample Locations 10/21/2009										Recommended Soil Cleanup Objectives	Part 375-6.8(a)-Unrestricted Use
	SB-6 (10-15')	SB-6 (15-20')	SB-7 (10-15')	SB-7 (15-20')	SB-8 (10-15')	SB-8 (15-20')	SB-9 (10-15')	SB-9 (15-20')				
Benzene	228	2	26	6	290	60	3	4			60	60
Toluene	200	2	98	2	55	BDL	3	5			1500	700
Ethylbenzene	837	3	2,760	3	415	1	26	2			5500	1,000
total-xylene	**1,400**	8	**11,400**	14	**1,340**	9	70	15			1200	260
total-BTEX	2,665	14	14,284	25	2,100	71	101	26			NA	*2,020*
Isopropylbenzene	2,080	3	455	2	481	31	2	1			5000	NA
n-Propylbenzene	5,860	1	1,690	2	318	29	4	3			10000	3,900
1,2,4 - Trimethylbenzene	1,100	0	**11,100**	8	4,100	1	**14,300**	5			10000	3,600
p-Isopropyltoluene	821	BDL	271	2	99	BDL	4	1			NA	NA
1,3,5 - Trimethylbenzene	602	1	**3,700**	3	1,800	2	**13,900**	9			3310	8,400
n-Butyl-Benzene	2,230	BDL	722	BDL	318	BDL	BDL	BDL			10000	12,000
sec-Butyl-Benzene	1,260	1	301	1	219	2	9	2			10000	11,000
tert-Butyl-Benzene	232	3	BDL	BDL	6	BDL	BDL	2			10000	NA
Naphthalene	2,300	BDL	2,300	1	918	BDL	44	BDL			13000	12,000
Methyl-t-butyl ether	BDL	3	BDL	4	32	22	2	3			120	930

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) BDL: Below Detection Level
4.) DEC Recommended Soil Cleanup Objective from TAGM 4046.
5.) Bold numerals exceed recommended soil cleanup objective values.
6.) NA: No Standard Available

Gray Shaded = Exceeds Part 375-6.8(a)

APPENDIX A

SOIL BORING LOGS

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-1

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12/15/09

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand	Brown coarse Sand	Hand cleared to 5' bgs
		Dug		
5				
	0.0	26		Submitted soil samples from 5' to 10' bgs
10			Brown to dark gray coarse Sand	
	3.0	20		Groundwater encountered at 12' bgs
15				
	4.0	16	Dark gray sand	Submitted soil samples from 15' to 20' bgs
20				
			Boring Terminated at 20' bgs	
25				

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-2

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12/15/09

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0		Hand Dug	Brown coarse Sand	Hand cleared to 5' bgs
5				Submitted soil samples from 5' to 7' bgs
			Boring Terminated at 7' bgs	
10			Refusal encountered	
15				
20				
25				First attemp had refusal at 4' bgs Moved boring 2' ft west of original location

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-3

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12/15/09

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand Dug	Brown coarse Sand	Hand cleared to 5' bgs
5	0.0	20		Submitted soil samples from 5' to 10' bgs
10	0.0	5	Brown silty Sand	Submitted soil samples from 10' to 14' bgs
15			Boring Terminated at 14' bgs	
			Refusal encountered	
20				
25				

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-4

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12-13

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand	Brown coarse Sand	Hand cleared to 5' bgs
		Dug		
5				
	580	26	Brown silty clay sand	Submitted soil samples from 5' to 10' bgs
10				
	26.5	20	Brown silty clay sand	Slight odor
15				
	2.0	5		Submitted soil samples from 15' to 20' bgs
			Brown silty sand	
20				
	NA	NA		
25				
			Boring Terminated at 25' bgs	

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-5

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12-15

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand Dug	Brown coarse Sand	Hand cleared to 5' bgs
5	146	8	Brown silty clay sand	Submitted soil samples from 5' to 10' bgs
10	100	20	Brown silty clay sand	Groundwater encountered at 12' - 15' bgs
15	10	16	Brown silty sand	Submitted soil samples from 15' to 20' bgs
20			Boring Terminated at 20' bgs	
25				

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-6

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12-15

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand	Backfill	Hand cleared to 5' bgs
		Dug		
5			Backfill	
	0	26		Submitted soil samples from 5' to 10' bgs
10			Brown silty sand to dark grey sand	
	130	20		Groundwater encountered at 12' - 15' bgs
15				
	1	4	Gray olive silty sand	Submitted soil samples from 15' to 20' bgs
20				
			Boring Terminated at 20' bgs	
25				

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-7

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12-15

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand	Backfill	Hand cleared to 5' bgs
		Dug		
5			Backfill	
	0	20		Submitted soil samples from 5' to 10' bgs
10			Brown silty sand to dark grey sand	
	108	6		Groundwater encountered at 12' - 15' bgs
15				
	10	full	Gray olive silty sand	Submitted soil samples from 15' to 20' bgs
20				
			Boring Terminated at 20' bgs	
25				

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-8

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12-15

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand Dug	Backfill	Hand cleared to 5' bgs
5			Backfill	
	0	20		Submitted soil samples from 5' to 10' bgs
10			Brown silty sand to dark grey sand	
	300	20		Groundwater encountered at 12' - 15' bgs
15				
	8	10	Gray olive silty sand	Submitted soil samples from 15' to 20' bgs
20				
			Boring Terminated at 20' bgs	
25				

Tyree Environmental Corp.

1 Northway Lane, Latham, NY 12110

SB-9

Location:	Getty S/S 58014 5510 Broadway Bronx, NY	Drill Rig:	Geoprobe 6620	Bore Hole/Well Data			
		Drill Method:	Direct Push	Diam. (in.):	2	Screen Lgth. (ft):	NA
		Driller:	AES	Depth (ft):	20	Screen Intvl. (ft):	NA
		Logged By:	T. Boyce	Casing Diam. (in.)	NA	Screen Type:	NA
		Sample Type:	Macro core	Casing Lgth. (ft):	NA	Screen Slot:	NA
		Date: 10/21/09	Weather: 60 deg f	Boring Number:	SB-1	DTW (ft):	12-15

Depth Below Grade	P.I.D. Readings (ppm)	Recovery (inches)	Field Description of Soil: Black top at surface	Drillers Remarks:
0	0.0	Hand Dug	Brown coarse Sand	Hand cleared to 5' bgs
5	0	30	Brown coarse Sand	Submitted soil samples from 5' to 10' bgs
10	21	18	Brown silty sand	Groundwater encountered at 12' - 15' bgs
15	2	20	Gray olive silty sand	Submitted soil samples from 15' to 20' bgs
20				
			Boring Terminated at 20' bgs	
25				

APPENDIX B

LABORTORY ANALYTICAL REPORTS

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

11/10/09

Technical Report for

Getty Properties Corporation

TYREENYF: #58014, 5510 Broadway, Bronx, NY

2090042-422

Accutest Job Number: JA30995

Sampling Date: 10/21/09

Report to:

The Tyree Company
1 Northway Lane
Latham, NY 12110
jkotch@tyreeorg.com

ATTN: Jennifer Kotch

Total number of pages in report: **87**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Nadine Yakes 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Sample Summary

Getty Properties Corporation

Job No: JA30995

TYREENYF: #58014, 5510 Broadway, Bronx, NY
Project No: 2090042-422

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA30995-1	10/21/09	08:30	TB	10/21/09	SO	Soil	SB-4:5-10'
JA30995-2	10/21/09	08:45	TB	10/21/09	SO	Soil	SB-4:15-20'
JA30995-3	10/21/09	09:00	TB	10/21/09	SO	Soil	SB-5:5-10'
JA30995-4	10/21/09	09:10	TB	10/21/09	SO	Soil	SB-5:15-20'
JA30995-5	10/21/09	09:50	TB	10/21/09	SO	Soil	SB-6:10-15'
JA30995-6	10/21/09	09:55	TB	10/21/09	SO	Soil	SB-6:15-20'
JA30995-7	10/21/09	09:30	TB	10/21/09	SO	Soil	SB-7:10-15'
JA30995-8	10/21/09	09:35	TB	10/21/09	SO	Soil	SB-7:15-20'
JA30995-9	10/21/09	10:20	TB	10/21/09	SO	Soil	SB-8:10-15
JA30995-10	10/21/09	10:25	TB	10/21/09	SO	Soil	SB-8:15-20'
JA30995-11	10/21/09	11:15	TB	10/21/09	SO	Soil	SB-1:5-10'
JA30995-12	10/21/09	11:25	TB	10/21/09	SO	Soil	SB-1:15-20'
JA30995-13	10/21/09	11:45	TB	10/21/09	SO	Soil	SB-2:5-7'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

Getty Properties Corporation

Job No: JA30995

TYREENYF: #58014, 5510 Broadway, Bronx, NY
Project No: 2090042-422

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA30995-14	10/21/09	11:40	TB	10/21/09	SO	Soil	SB-2:0-5'
JA30995-15	10/21/09	11:00	TB	10/21/09	SO	Soil	SB-3:5-10'
JA30995-16	10/21/09	11:05	TB	10/21/09	SO	Soil	SB-3:10-15'
JA30995-17	10/21/09	12:10	TB	10/21/09	SO	Soil	SB-9:10-15'
JA30995-18	10/21/09	12:15	TB	10/21/09	SO	Soil	SB-9:15-20'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-4:5-10'		
Lab Sample ID:	JA30995-1	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	86.3
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A152695.D	1	10/30/09	OTR	n/a	n/a	VA5521
Run #2	A152869.D	1	11/04/09	OTR	n/a	n/a	VA5529

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.5 g	10.0 ml	100 ul
Run #2	11.5 g	10.0 ml	5.0 ul

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1190	58	20	ug/kg	
104-51-8	n-Butylbenzene	4700	290	22	ug/kg	
135-98-8	sec-Butylbenzene	2140	290	28	ug/kg	
98-06-6	tert-Butylbenzene	ND	290	28	ug/kg	
100-41-4	Ethylbenzene	25100 [a]	1200	430	ug/kg	
98-82-8	Isopropylbenzene	2930	290	30	ug/kg	
99-87-6	p-Isopropyltoluene	1530	290	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	78.7	58	16	ug/kg	
91-20-3	Naphthalene	21000 [a]	5800	860	ug/kg	
103-65-1	n-Propylbenzene	11000	290	15	ug/kg	
108-88-3	Toluene	16500 [a]	1200	340	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	98000 [a]	5800	500	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	29800 [a]	5800	420	ug/kg	
	m,p-Xylene	94800 [a]	2300	550	ug/kg	
95-47-6	o-Xylene	33700 [a]	1200	550	ug/kg	
1330-20-7	Xylene (total)	129000 [a]	2300	550	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	87%	67-127%
17060-07-0	1,2-Dichloroethane-D4	105%	86%	65-132%
2037-26-5	Toluene-D8	91%	93%	74-129%
460-00-4	4-Bromofluorobenzene	80%	91%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-4:15-20'		
Lab Sample ID:	JA30995-2	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	81.8
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A152696.D	1	10/30/09	OTR	n/a	n/a	VA5521
Run #2	A152870.D	1	11/04/09	OTR	n/a	n/a	VA5529

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	12.0 g	10.0 ml	50.0 ul
Run #2	12.0 g	10.0 ml	10.0 ul

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1180	120	42	ug/kg	
104-51-8	n-Butylbenzene	1660	620	47	ug/kg	
135-98-8	sec-Butylbenzene	666	620	61	ug/kg	
98-06-6	tert-Butylbenzene	ND	620	59	ug/kg	
100-41-4	Ethylbenzene	10400	120	46	ug/kg	
98-82-8	Isopropylbenzene	1080	620	64	ug/kg	
99-87-6	p-Isopropyltoluene	464	620	53	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	123	120	35	ug/kg	
91-20-3	Naphthalene	5950	620	91	ug/kg	
103-65-1	n-Propylbenzene	4540	620	32	ug/kg	
108-88-3	Toluene	20400	120	36	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	33100 [a]	3100	270	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	8380	620	44	ug/kg	
	m,p-Xylene	35400	250	58	ug/kg	
95-47-6	o-Xylene	16300	120	58	ug/kg	
1330-20-7	Xylene (total)	51600	250	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%	89%	67-127%
17060-07-0	1,2-Dichloroethane-D4	90%	89%	65-132%
2037-26-5	Toluene-D8	95%	94%	74-129%
460-00-4	4-Bromofluorobenzene	86%	89%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-5:5-10'		
Lab Sample ID:	JA30995-3	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	84.7
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A152697.D	1	10/30/09	OTR	n/a	n/a	VA5521
Run #2	A152871.D	1	11/04/09	OTR	n/a	n/a	VA5529

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.2 g	10.0 ml	50.0 ul
Run #2	11.2 g	10.0 ml	10.0 ul

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	165	120	42	ug/kg	
104-51-8	n-Butylbenzene	4220	620	47	ug/kg	
135-98-8	sec-Butylbenzene	1630	620	60	ug/kg	
98-06-6	tert-Butylbenzene	ND	620	59	ug/kg	
100-41-4	Ethylbenzene	10300	120	46	ug/kg	
98-82-8	Isopropylbenzene	2510	620	64	ug/kg	
99-87-6	p-Isopropyltoluene	1200	620	53	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	120	35	ug/kg	
91-20-3	Naphthalene	15200	620	91	ug/kg	
103-65-1	n-Propylbenzene	8560	620	31	ug/kg	
108-88-3	Toluene	4500	120	36	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	86100 [a]	3100	270	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	23200	620	44	ug/kg	
	m,p-Xylene	79400 [a]	1200	290	ug/kg	
95-47-6	o-Xylene	35300 [a]	620	290	ug/kg	
1330-20-7	Xylene (total)	115000 [a]	1200	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%	86%	67-127%
17060-07-0	1,2-Dichloroethane-D4	91%	87%	65-132%
2037-26-5	Toluene-D8	92%	94%	74-129%
460-00-4	4-Bromofluorobenzene	85%	85%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-5:15-20'		
Lab Sample ID:	JA30995-4	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	82.8
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G124731.D	1	11/04/09	SJM	n/a	n/a	VG5931
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.0	1.5	0.50	ug/kg	
104-51-8	n-Butylbenzene	ND	7.4	0.56	ug/kg	
135-98-8	sec-Butylbenzene	1.2	7.4	0.72	ug/kg	J
98-06-6	tert-Butylbenzene	1.2	7.4	0.70	ug/kg	J
100-41-4	Ethylbenzene	0.99	1.5	0.55	ug/kg	J
98-82-8	Isopropylbenzene	ND	7.4	0.76	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.4	0.63	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	7.1	1.5	0.42	ug/kg	
91-20-3	Naphthalene	ND	7.4	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	7.4	0.38	ug/kg	
108-88-3	Toluene	3.6	1.5	0.43	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.1	7.4	0.63	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	7.4	0.53	ug/kg	
	m,p-Xylene	2.4	2.9	0.69	ug/kg	J
95-47-6	o-Xylene	ND	1.5	0.69	ug/kg	
1330-20-7	Xylene (total)	2.4	2.9	0.69	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	99%		74-129%
460-00-4	4-Bromofluorobenzene	128%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-6:10-15'		
Lab Sample ID:	JA30995-5	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	85.6
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A152699.D	1	10/30/09	OTR	n/a	n/a	VA5521
Run #2 [a]	A152872.D	1	11/04/09	OTR	n/a	n/a	VA5529

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.5 g	10.0 ml	100 ul
Run #2	11.5 g	10.0 ml	20.0 ul

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	228	59	20	ug/kg	
104-51-8	n-Butylbenzene	2230	300	22	ug/kg	
135-98-8	sec-Butylbenzene	1260	300	29	ug/kg	
98-06-6	tert-Butylbenzene	232	300	28	ug/kg	J
100-41-4	Ethylbenzene	837	59	22	ug/kg	
98-82-8	Isopropylbenzene	2080	300	31	ug/kg	
99-87-6	p-Isopropyltoluene	821	300	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	59	17	ug/kg	
91-20-3	Naphthalene	2300	300	44	ug/kg	
103-65-1	n-Propylbenzene	5860	300	15	ug/kg	
108-88-3	Toluene	200	59	17	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1100	300	25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	602	300	21	ug/kg	
	m,p-Xylene	1090	120	28	ug/kg	
95-47-6	o-Xylene	313	59	28	ug/kg	
1330-20-7	Xylene (total)	1400	120	28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	87%	67-127%
17060-07-0	1,2-Dichloroethane-D4	109%	93%	65-132%
2037-26-5	Toluene-D8	90%	89%	74-129%
460-00-4	4-Bromofluorobenzene	54%	79%	62-138%

(a) Confirmation run for surrogate recoveries.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-6:15-20'		
Lab Sample ID:	JA30995-6	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	70.5
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X97124.D	1	10/25/09	JTP	n/a	n/a	VX4077
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.6	1.4	0.48	ug/kg	
104-51-8	n-Butylbenzene	ND	7.1	0.54	ug/kg	
135-98-8	sec-Butylbenzene	0.76	7.1	0.69	ug/kg	J
98-06-6	tert-Butylbenzene	2.5	7.1	0.67	ug/kg	J
100-41-4	Ethylbenzene	2.6	1.4	0.53	ug/kg	
98-82-8	Isopropylbenzene	2.6	7.1	0.73	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	7.1	0.61	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	2.8	1.4	0.40	ug/kg	
91-20-3	Naphthalene	ND	7.1	1.0	ug/kg	
103-65-1	n-Propylbenzene	1.0	7.1	0.36	ug/kg	J
108-88-3	Toluene	1.6	1.4	0.41	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	1.0	7.1	0.61	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	0.57	7.1	0.51	ug/kg	J
	m,p-Xylene	6.6	2.8	0.67	ug/kg	
95-47-6	o-Xylene	1.5	1.4	0.67	ug/kg	
1330-20-7	Xylene (total)	8.1	2.8	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	98%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-7:10-15'		
Lab Sample ID:	JA30995-7	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	86.9
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A152694.D	1	10/30/09	OTR	n/a	n/a	VA5521
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.9 g	10.0 ml	100 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	26.3	56	19	ug/kg	J
104-51-8	n-Butylbenzene	722	280	21	ug/kg	
135-98-8	sec-Butylbenzene	301	280	27	ug/kg	
98-06-6	tert-Butylbenzene	ND	280	27	ug/kg	
100-41-4	Ethylbenzene	2760	56	21	ug/kg	
98-82-8	Isopropylbenzene	455	280	29	ug/kg	
99-87-6	p-Isopropyltoluene	271	280	24	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	56	16	ug/kg	
91-20-3	Naphthalene	2300	280	41	ug/kg	
103-65-1	n-Propylbenzene	1690	280	14	ug/kg	
108-88-3	Toluene	97.5	56	16	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	11100	280	24	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	3700	280	20	ug/kg	
	m,p-Xylene	10400	110	26	ug/kg	
95-47-6	o-Xylene	1010	56	26	ug/kg	
1330-20-7	Xylene (total)	11400	110	26	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		67-127%
17060-07-0	1,2-Dichloroethane-D4	86%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	83%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-7:15-20'		
Lab Sample ID:	JA30995-8	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	84.8
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X97125.D	1	10/25/09	JTP	n/a	n/a	VX4077
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	6.3	1.2	0.40	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	0.45	ug/kg	
135-98-8	sec-Butylbenzene	0.67	5.9	0.58	ug/kg	J
98-06-6	tert-Butylbenzene	ND	5.9	0.56	ug/kg	
100-41-4	Ethylbenzene	3.2	1.2	0.44	ug/kg	
98-82-8	Isopropylbenzene	2.1	5.9	0.61	ug/kg	J
99-87-6	p-Isopropyltoluene	ND	5.9	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	4.2	1.2	0.33	ug/kg	
91-20-3	Naphthalene	1.2	5.9	0.87	ug/kg	J
103-65-1	n-Propylbenzene	1.8	5.9	0.30	ug/kg	J
108-88-3	Toluene	1.6	1.2	0.34	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	7.8	5.9	0.51	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	2.6	5.9	0.42	ug/kg	J
	m,p-Xylene	10.8	2.4	0.55	ug/kg	
95-47-6	o-Xylene	2.7	1.2	0.55	ug/kg	
1330-20-7	Xylene (total)	13.5	2.4	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	96%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-8:10-15		
Lab Sample ID:	JA30995-9	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	85.4
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X97127.D	1	10/25/09	JTP	n/a	n/a	VX4077
Run #2	E157486.D	1	10/27/09	OTR	n/a	n/a	VE6938

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	1.4 g		
Run #2	10.0 g	10.0 ml	100 ul

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	290	4.2	1.4	ug/kg	
104-51-8	n-Butylbenzene	318	21	1.6	ug/kg	
135-98-8	sec-Butylbenzene	219	21	2.0	ug/kg	
98-06-6	tert-Butylbenzene	5.9	21	2.0	ug/kg	J
100-41-4	Ethylbenzene	415 [a]	67	25	ug/kg	
98-82-8	Isopropylbenzene	481	21	2.2	ug/kg	
99-87-6	p-Isopropyltoluene	98.5	21	1.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	31.8	4.2	1.2	ug/kg	
91-20-3	Naphthalene	918 [a]	340	49	ug/kg	
103-65-1	n-Propylbenzene	635 [a]	340	17	ug/kg	
108-88-3	Toluene	55.3	4.2	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	4100 [a]	340	29	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	1800 [a]	340	24	ug/kg	
	m,p-Xylene	1330	8.4	2.0	ug/kg	
95-47-6	o-Xylene	9.8	4.2	2.0	ug/kg	
1330-20-7	Xylene (total)	1340	8.4	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	85%	67-127%
17060-07-0	1,2-Dichloroethane-D4	103%	82%	65-132%
2037-26-5	Toluene-D8	111%	84%	74-129%
460-00-4	4-Bromofluorobenzene	96%	82%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-8:15-20'		
Lab Sample ID:	JA30995-10	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	78.0
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C56233.D	1	10/28/09	DPP	n/a	n/a	V3C2465
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	60.3	1.2	0.42	ug/kg	
104-51-8	n-Butylbenzene	ND	6.2	0.47	ug/kg	
135-98-8	sec-Butylbenzene	1.7	6.2	0.60	ug/kg	J
98-06-6	tert-Butylbenzene	ND	6.2	0.59	ug/kg	
100-41-4	Ethylbenzene	1.1	1.2	0.46	ug/kg	J
98-82-8	Isopropylbenzene	31.0	6.2	0.64	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.2	0.53	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	22.4	1.2	0.35	ug/kg	
91-20-3	Naphthalene	ND	6.2	0.91	ug/kg	
103-65-1	n-Propylbenzene	28.6	6.2	0.31	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	0.56	6.2	0.53	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	1.9	6.2	0.44	ug/kg	J
	m,p-Xylene	5.9	2.5	0.58	ug/kg	
95-47-6	o-Xylene	3.3	1.2	0.58	ug/kg	
1330-20-7	Xylene (total)	9.1	2.5	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	116%		74-129%
460-00-4	4-Bromofluorobenzene	106%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-1:5-10'		
Lab Sample ID:	JA30995-11	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	86.9
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y93355.D	1	10/27/09	YXC	n/a	n/a	VY3927
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.46	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	0.58	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	0.52	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
91-20-3	Naphthalene	ND	6.0	0.88	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.31	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	0.52	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	0.43	ug/kg	
	m,p-Xylene	ND	2.4	0.56	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-127%
17060-07-0	1,2-Dichloroethane-D4	85%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	75%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-1:15-20'		
Lab Sample ID:	JA30995-12	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	77.9
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y93584.D	1	11/03/09	YXC	n/a	n/a	VY3937
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.5	0.51	ug/kg	
104-51-8	n-Butylbenzene	ND	7.5	0.57	ug/kg	
135-98-8	sec-Butylbenzene	6.3	7.5	0.73	ug/kg	J
98-06-6	tert-Butylbenzene	ND	7.5	0.71	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.55	ug/kg	
98-82-8	Isopropylbenzene	ND	7.5	0.77	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.5	0.64	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.42	ug/kg	
91-20-3	Naphthalene	ND	7.5	1.1	ug/kg	
103-65-1	n-Propylbenzene	0.60	7.5	0.38	ug/kg	J
108-88-3	Toluene	ND	1.5	0.44	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	7.5	0.64	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	7.5	0.53	ug/kg	
	m,p-Xylene	ND	3.0	0.70	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	3.0	0.70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	81%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-2:5-7'		
Lab Sample ID:	JA30995-13	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	90.4
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	E157488.D	1	10/27/09	OTR	n/a	n/a	VE6938
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	21	ug/kg	
104-51-8	n-Butylbenzene	166	300	23	ug/kg	J
135-98-8	sec-Butylbenzene	68.9	300	30	ug/kg	J
98-06-6	tert-Butylbenzene	ND	300	29	ug/kg	
100-41-4	Ethylbenzene	75.3	61	22	ug/kg	
98-82-8	Isopropylbenzene	ND	300	31	ug/kg	
99-87-6	p-Isopropyltoluene	38.8	300	26	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	61	17	ug/kg	
91-20-3	Naphthalene	239	300	45	ug/kg	J
103-65-1	n-Propylbenzene	142	300	15	ug/kg	J
108-88-3	Toluene	33.9	61	18	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	2710	300	26	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	1100	300	22	ug/kg	
	m,p-Xylene	979	120	28	ug/kg	
95-47-6	o-Xylene	593	61	28	ug/kg	
1330-20-7	Xylene (total)	1570	120	28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		67-127%
17060-07-0	1,2-Dichloroethane-D4	82%		65-132%
2037-26-5	Toluene-D8	84%		74-129%
460-00-4	4-Bromofluorobenzene	84%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-2:0-5'		
Lab Sample ID:	JA30995-14	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	90.2
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	E157489.D	1	10/27/09	OTR	n/a	n/a	VE6938
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	61	21	ug/kg	
104-51-8	n-Butylbenzene	133	300	23	ug/kg	J
135-98-8	sec-Butylbenzene	57.5	300	30	ug/kg	J
98-06-6	tert-Butylbenzene	ND	300	29	ug/kg	
100-41-4	Ethylbenzene	101	61	23	ug/kg	
98-82-8	Isopropylbenzene	ND	300	32	ug/kg	
99-87-6	p-Isopropyltoluene	33.7	300	26	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	61	17	ug/kg	
91-20-3	Naphthalene	174	300	45	ug/kg	J
103-65-1	n-Propylbenzene	118	300	16	ug/kg	J
108-88-3	Toluene	111	61	18	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	2120	300	26	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	962	300	22	ug/kg	
	m,p-Xylene	1200	120	29	ug/kg	
95-47-6	o-Xylene	625	61	29	ug/kg	
1330-20-7	Xylene (total)	1830	120	29	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		67-127%
17060-07-0	1,2-Dichloroethane-D4	82%		65-132%
2037-26-5	Toluene-D8	83%		74-129%
460-00-4	4-Bromofluorobenzene	83%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-3:5-10'		
Lab Sample ID:	JA30995-15	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	83.2
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X97126.D	1	10/25/09	JTP	n/a	n/a	VX4077
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	0.47	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	0.60	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	0.58	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.46	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.64	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	0.53	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.35	ug/kg	
91-20-3	Naphthalene	ND	6.1	0.90	ug/kg	
103-65-1	n-Propylbenzene	ND	6.1	0.31	ug/kg	
108-88-3	Toluene	1.0	1.2	0.36	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	0.53	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	0.44	ug/kg	
	m,p-Xylene	1.4	2.5	0.58	ug/kg	J
95-47-6	o-Xylene	ND	1.2	0.58	ug/kg	
1330-20-7	Xylene (total)	1.8	2.5	0.58	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	98%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-3:10-15'		
Lab Sample ID:	JA30995-16	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	91.6
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	E157485.D	1	10/27/09	OTR	n/a	n/a	VE6938
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	59	20	ug/kg	
104-51-8	n-Butylbenzene	194	300	22	ug/kg	J
135-98-8	sec-Butylbenzene	94.6	300	29	ug/kg	J
98-06-6	tert-Butylbenzene	ND	300	28	ug/kg	
100-41-4	Ethylbenzene	819	59	22	ug/kg	
98-82-8	Isopropylbenzene	101	300	31	ug/kg	J
99-87-6	p-Isopropyltoluene	46.3	300	25	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	59	17	ug/kg	
91-20-3	Naphthalene	399	300	44	ug/kg	
103-65-1	n-Propylbenzene	429	300	15	ug/kg	
108-88-3	Toluene	1620	59	17	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	4010	300	25	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	1410	300	21	ug/kg	
	m,p-Xylene	5830	120	28	ug/kg	
95-47-6	o-Xylene	2570	59	28	ug/kg	
1330-20-7	Xylene (total)	8400	120	28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	84%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	84%		74-129%
460-00-4	4-Bromofluorobenzene	82%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-9:10-15'		
Lab Sample ID:	JA30995-17	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	88.4
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y93400.D	1	10/28/09	YXC	n/a	n/a	VY3929
Run #2	D161459.D	1	11/04/09	TDN	n/a	n/a	VD6495
Run #3	D161317.D	1	10/31/09	TDN	n/a	n/a	VD6489

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.0 g		
Run #2	11.5 g	10.0 ml	10.0 ul
Run #3	11.5 g	10.0 ml	100 ul

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.3	1.4	0.48	ug/kg	
104-51-8	n-Butylbenzene	ND	7.1	0.54	ug/kg	
135-98-8	sec-Butylbenzene	9.1	7.1	0.69	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.1	0.67	ug/kg	
100-41-4	Ethylbenzene	25.5	1.4	0.52	ug/kg	
98-82-8	Isopropylbenzene	2.1	7.1	0.73	ug/kg	J
99-87-6	p-Isopropyltoluene	38.1	7.1	0.61	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	2.2	1.4	0.40	ug/kg	
91-20-3	Naphthalene	43.8	7.1	1.0	ug/kg	
103-65-1	n-Propylbenzene	3.6	7.1	0.36	ug/kg	J
108-88-3	Toluene	2.5	1.4	0.41	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	14300 [a]	2800	240	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	13900 [a]	2800	200	ug/kg	
	m,p-Xylene	28.5	2.8	0.66	ug/kg	
95-47-6	o-Xylene	41.4	1.4	0.66	ug/kg	
1330-20-7	Xylene (total)	69.9	2.8	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	92%	88%	67-127%
17060-07-0	1,2-Dichloroethane-D4	103%	108%	91%	65-132%
2037-26-5	Toluene-D8	95%	92%	92%	74-129%
460-00-4	4-Bromofluorobenzene	140% [b]	92%	107%	62-138%

(a) Result is from Run# 2
(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SB-9:15-20'		
Lab Sample ID:	JA30995-18	**Date Sampled:**	10/21/09
Matrix:	SO - Soil	**Date Received:**	10/21/09
Method:	SW846 8260B	**Percent Solids:**	96.4
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G124728.D	1	11/03/09	SJM	n/a	n/a	VG5931
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA STARS List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.3	1.2	0.39	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	0.44	ug/kg	
135-98-8	sec-Butylbenzene	2.4	5.8	0.56	ug/kg	J
98-06-6	tert-Butylbenzene	2.2	5.8	0.55	ug/kg	J
100-41-4	Ethylbenzene	1.9	1.2	0.43	ug/kg	
98-82-8	Isopropylbenzene	16.5	5.8	0.60	ug/kg	
99-87-6	p-Isopropyltoluene	0.59	5.8	0.50	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	3.4	1.2	0.33	ug/kg	
91-20-3	Naphthalene	ND	5.8	0.85	ug/kg	
103-65-1	n-Propylbenzene	3.2	5.8	0.29	ug/kg	J
108-88-3	Toluene	4.6	1.2	0.34	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	5.4	5.8	0.50	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	8.8	5.8	0.41	ug/kg	
	m,p-Xylene	10.4	2.3	0.54	ug/kg	
95-47-6	o-Xylene	4.9	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	15.2	2.3	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	109%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	114%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

1 of 2

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JA30995

Client / Reporting Information

Company Name: Tyree
Address: 208 Route 109
City: Farmingdale State: NY Zip: 11735
Project Contact: JEN Kotch E-mail:
Phone #: 631-249-3150
Sampler's Name: TERENCE B

Project Information

Project Name: Getty S/S # 58014
Street: 5510 Broadway
City: Bronx State: NY
Project #: 2090042-422
Fax #: 631-249-3281
Client Purchase Order #: Realty-Job

Requested Analysis

8260 ☐ BTEX ☐ 624 ☐ MTBE ☐ 8021 ☐ TBA ☐ 624 ☐ NAP ☐ 602 ☐ NAP ☐ PAUG ☐ PALG ☐
8260 ☐ TBA ☐ 624 ☐ NAP ☐ TCL ☐ +1L ☐ PPL ☐ STARS ☐ MTBE ☐ +15 ☐
8270 ☐ ABN ☐ 625 ☐ BN ☐ TCL ☐ PAH ☐ PR ☐ PAD ☐ STARS ☐ +TICS ☐

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	DI/CORE	LAB USE ONLY
-1	SB-4: 5-10'		10/21/09	830	TB	SO	1					X				194
-2	SB-4: 15-20'		10/21/09	845	TB	SO	1					X				
-3	SB-5: 5-10'		10/21/09	900	TB	SO	1					X				
-4	SB-5: 15-20'		10/21/09	910	TB	SO	1					X				
-5	SB-6: 10-15'		10/21/09	950	TB	SO	1					X				
-6	SB-6 15-20		10/21/09	955	TB	SO	1					X				
-7	SB-7: 10-15'		10/21/09	930	TB	SO	1					X				
-8	SB-7: 15-20'		10/21/09	935	TB	SO	1					X				
-9	SB-8: 10-15'		10/21/09	1020	TB	SO	1					X				
-10	SB-8: 15-20'		10/21/09	1025	TB	SO	1					X				

Turnaround Time (Business Days)

☐ Std. 15 Business Days — Approved By: / Date:
☑ 10 Day RUSH
☐ 5 Day RUSH
☐ 3 Day EMERGENCY
☐ 2 Day EMERGENCY
☐ 1 Day EMERGENCY
☐ Other
Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

☐ Commercial "A"
☑ Commercial "B"
☐ NJ Reduced
☐ NJ Full
☐ Other _____
☐ FULL CLP
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☐ EDD Format _____

Commercial "A" = Results Only

Comments / Remarks

Not Sealed
NAB TRS 10/21/09

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1	10/21/09	1	2	10/20 18:50	2
Relinquished by: 3	Date Time:	Received by: 3	Relinquished by: 4	Date Time:	Received by: 4
Relinquished by: 5	Date Time:	Received by: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 5.2°C

2A

3.1 3

JA30995: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton NJ 08810
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www.accutest.com

2 of 2

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JA30995

Client / Reporting Information

Company Name: Nyree
Address: 208 Route 109
City: Farmingdale State: NY Zip: 11735
Project Contact: SEN Kofel E-mail:
Phone #: 631-249-3150
Sampler's Name: TERENCE B.

Project Information

Project Name: Gelty S/S # 58014
Street: 5510 Broadway
City: Bronx State: NY
Project #: 20900412-422
Fax #: 631-249-3281
Client Purchase Order #: Realty Job

Requested Analysis

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	None	NaHSO4	MEOH	ENCORE	8260 BTEX MTBE	8260 TBA NAP	8270 ABN BN	624 TCL +0	624 PPL +15	624 STARS MTBE	602 NAP	602 PALG	8021 TBA	624 MTBE	8270 PAH	625 PAH	625 STARS +TICs	625 PAOF +TICs
-11	SB:1 : 5-10'		10/21/09	1115	TB	SO	1					X					X												
-12	SB:1 : 15-20'		10/21/09	1125	TB	SO	1					X					X												
-13	SB:2 : 5-7'		10/21/09	1145	TB	SO	1					X					X												
-14	SB:2 0-5'		10/21/09	1140	TB	SO	1					X					X												
-15	SB:3 : 5-10'		10/21/09	1100	TB	SO	1					X					X												
-16	SB:3 : 10-15'		10/21/09	1105	TB	SO	1					X					X												
-17	SB:9 : 10-15'		10/21/09	1210	TB	SO	1					X					X												
-18	SB:9 : 15-20'		10/21/09	1215	TB	SO	1					X					X												

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; LAB USE ONLY

Turnaround Time (Business Days)

- ☐ Std. 15 Business Days
- ☑ 10 Day *RUSH*
- ☐ 5 Day *RUSH*
- ☐ 3 Day *EMERGENCY*
- ☐ 2 Day *EMERGENCY*
- ☐ 1 Day *EMERGENCY*
- ☐ Other

Approved By: / Date:

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

- ☐ Commercial "A"
- ☑ Commercial "B"
- ☐ NJ Reduced
- ☐ NJ Full
- ☐ Other _____
- ☐ FULL CLP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____

Commercial "A" = Results Only

Comments / Remarks

*NAB TBI 10/21/09

Sample Custody must be documented below each time samples change possession, including courier delivery

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by	Date Time:	Received by:
1	10/21/09	1	2	10/20 18:50	2
Relinquished by: 3	Date Time:	Received by: 3	Relinquished by 4	Date Time	Received by: 4
Relinquished by: 5	Date Time	Received by: 5	Custody Seal #	Preserved where applicable ☐	On Ice ☑ Cooler Temp. 5.2°C

TBI

JA30995: Chain of Custody
Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA30995 **Client:** **Immediate Client Services Action Required:** No

Date / Time Received: 10/21/2009 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	Infared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservatio	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	
2. Trip Blank listed on COC:	☑	☐	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☐	☑

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA30995: Chain of Custody
Page 3 of 3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4077-MB	X97119.D	1	10/24/09	JTP	n/a	n/a	VX4077

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-6, JA30995-8, JA30995-9, JA30995-15

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	87%	67-127%
17060-07-0	1,2-Dichloroethane-D4	87%	65-132%
2037-26-5	Toluene-D8	103%	74-129%
460-00-4	4-Bromofluorobenzene	92%	62-138%

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VE6938-MB1	E157480.D	1	10/26/09	OTR	n/a	n/a	VE6938

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-9, JA30995-13, JA30995-14, JA30995-16

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	17	ug/kg	
104-51-8	n-Butylbenzene	ND	250	19	ug/kg	
135-98-8	sec-Butylbenzene	ND	250	24	ug/kg	
98-06-6	tert-Butylbenzene	ND	250	24	ug/kg	
100-41-4	Ethylbenzene	ND	50	19	ug/kg	
98-82-8	Isopropylbenzene	ND	250	26	ug/kg	
99-87-6	p-Isopropyltoluene	ND	250	22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	50	14	ug/kg	
91-20-3	Naphthalene	ND	250	37	ug/kg	
103-65-1	n-Propylbenzene	ND	250	13	ug/kg	
108-88-3	Toluene	ND	50	15	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	250	22	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	250	18	ug/kg	
	m,p-Xylene	ND	100	23	ug/kg	
95-47-6	o-Xylene	ND	50	23	ug/kg	
1330-20-7	Xylene (total)	ND	100	23	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	86%	67-127%
17060-07-0	1,2-Dichloroethane-D4	83%	65-132%
2037-26-5	Toluene-D8	83%	74-129%
460-00-4	4-Bromofluorobenzene	84%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3927-MB	Y93346.D	1	10/27/09	YXC	n/a	n/a	VY3927

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	67-127%
17060-07-0	1,2-Dichloroethane-D4	96%	65-132%
2037-26-5	Toluene-D8	89%	74-129%
460-00-4	4-Bromofluorobenzene	74%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2465-MB2	3C56232.D	1	10/28/09	DPP	n/a	n/a	V3C2465

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-10

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	115%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	65-132%
2037-26-5	Toluene-D8	113%	74-129%
460-00-4	4-Bromofluorobenzene	109%	62-138%

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3929-MB	Y93390.D	1	10/28/09	YXC	n/a	n/a	VY3929

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	67-127%
17060-07-0	1,2-Dichloroethane-D4	92%	65-132%
2037-26-5	Toluene-D8	87%	74-129%
460-00-4	4-Bromofluorobenzene	73%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA5521-MB1	A152689.D	1	10/29/09	OTR	n/a	n/a	VA5521

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-1, JA30995-2, JA30995-3, JA30995-5, JA30995-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	50	17	ug/kg	
104-51-8	n-Butylbenzene	ND	250	19	ug/kg	
135-98-8	sec-Butylbenzene	ND	250	24	ug/kg	
98-06-6	tert-Butylbenzene	ND	250	24	ug/kg	
100-41-4	Ethylbenzene	ND	50	19	ug/kg	
98-82-8	Isopropylbenzene	ND	250	26	ug/kg	
99-87-6	p-Isopropyltoluene	ND	250	22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	50	14	ug/kg	
91-20-3	Naphthalene	ND	250	37	ug/kg	
103-65-1	n-Propylbenzene	ND	250	13	ug/kg	
108-88-3	Toluene	ND	50	15	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	250	22	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	250	18	ug/kg	
	m,p-Xylene	ND	100	23	ug/kg	
95-47-6	o-Xylene	ND	50	23	ug/kg	
1330-20-7	Xylene (total)	ND	100	23	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	90%	67-127%
17060-07-0	1,2-Dichloroethane-D4	90%	65-132%
2037-26-5	Toluene-D8	92%	74-129%
460-00-4	4-Bromofluorobenzene	86%	62-138%

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD6489-MB1	D161300.D	1	10/30/09	TDN	n/a	n/a	VD6489

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	Result	RL	MDL	Units	Q

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	94%	65-132%
2037-26-5	Toluene-D8	92%	74-129%
460-00-4	4-Bromofluorobenzene	90%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3937-MB	Y93573.D	1	11/02/09	YXC	n/a	n/a	VY3937

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	67-127%
17060-07-0	1,2-Dichloroethane-D4	103%	65-132%
2037-26-5	Toluene-D8	85%	74-129%
460-00-4	4-Bromofluorobenzene	76%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG5931-MB1	G124726.D	1	11/03/09	SJM	n/a	n/a	VG5931

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-4, JA30995-18

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	67-127%
17060-07-0	1,2-Dichloroethane-D4	111%	65-132%
2037-26-5	Toluene-D8	100%	74-129%
460-00-4	4-Bromofluorobenzene	114%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA5529-MB1	A152862.D	1	11/03/09	OTR	n/a	n/a	VA5529

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-1, JA30995-2, JA30995-3, JA30995-5

CAS No.	Compound	Result	RL	MDL	Units	Q
100-41-4	Ethylbenzene	ND	50	19	ug/kg	
91-20-3	Naphthalene	ND	250	37	ug/kg	
108-88-3	Toluene	ND	50	15	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	250	22	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	250	18	ug/kg	
	m,p-Xylene	ND	100	23	ug/kg	
95-47-6	o-Xylene	ND	50	23	ug/kg	
1330-20-7	Xylene (total)	ND	100	23	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	89%	67-127%
17060-07-0	1,2-Dichloroethane-D4	89%	65-132%
2037-26-5	Toluene-D8	97%	74-129%
460-00-4	4-Bromofluorobenzene	93%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD6495-MB1	D161444.D	1	11/04/09	TDN	n/a	n/a	VD6495

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	Result	RL	MDL	Units	Q
95-63-6	1,2,4-Trimethylbenzene	ND	250	22	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	250	18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	107%	65-132%
2037-26-5	Toluene-D8	91%	74-129%
460-00-4	4-Bromofluorobenzene	92%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2465-MB1	3C56211.D	1	10/27/09	DPP	n/a	n/a	V3C2465

The QC reported here applies to the following samples: **Method:** SW846 8260B

V3C2465-BS, JA31205-6MS, JA31205-6MSD

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.43	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.36	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	67-127%
17060-07-0	1,2-Dichloroethane-D4	86%	65-132%
2037-26-5	Toluene-D8	115%	74-129%
460-00-4	4-Bromofluorobenzene	105%	62-138%

Method Blank Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3929-MB2	Y93412.D	1	10/29/09	YXC	n/a	n/a	VY3929

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30540-3DUP

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.34	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.38	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	0.49	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.37	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.52	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	0.43	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.28	ug/kg	
91-20-3	Naphthalene	ND	5.0	0.74	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	0.26	ug/kg	
108-88-3	Toluene	ND	1.0	0.29	ug/kg	
	m,p-Xylene	ND	2.0	0.47	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	81%	65-132%
2037-26-5	Toluene-D8	89%	74-129%
460-00-4	4-Bromofluorobenzene	75%	62-138%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VX4077-BS	X97120.D	1	10/24/09	JTP	n/a	n/a	VX4077

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-6, JA30995-8, JA30995-9, JA30995-15

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	48.5	97	78-120
104-51-8	n-Butylbenzene	50	48.5	97	64-129
135-98-8	sec-Butylbenzene	50	49.0	98	73-123
98-06-6	tert-Butylbenzene	50	50.0	100	71-128
100-41-4	Ethylbenzene	50	46.6	93	81-121
98-82-8	Isopropylbenzene	50	41.8	84	67-136
99-87-6	p-Isopropyltoluene	50	48.8	98	70-124
1634-04-4	Methyl Tert Butyl Ether	50	43.6	87	75-124
91-20-3	Naphthalene	50	42.4	85	59-131
103-65-1	n-Propylbenzene	50	46.4	93	74-125
108-88-3	Toluene	50	47.0	94	79-122
95-63-6	1,2,4-Trimethylbenzene	50	44.1	88	75-122
108-67-8	1,3,5-Trimethylbenzene	50	45.1	90	73-124
	m,p-Xylene	100	93.3	93	79-121
95-47-6	o-Xylene	50	48.6	97	79-122
1330-20-7	Xylene (total)	150	142	95	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	67-127%
17060-07-0	1,2-Dichloroethane-D4	93%	65-132%
2037-26-5	Toluene-D8	100%	74-129%
460-00-4	4-Bromofluorobenzene	96%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VE6938-BS	E157481.D	1	10/26/09	OTR	n/a	n/a	VE6938

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-9, JA30995-13, JA30995-14, JA30995-16

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	2500	2720	109	78-120
104-51-8	n-Butylbenzene	2500	2620	105	64-129
135-98-8	sec-Butylbenzene	2500	2730	109	73-123
98-06-6	tert-Butylbenzene	2500	2790	112	71-128
100-41-4	Ethylbenzene	2500	2730	109	81-121
98-82-8	Isopropylbenzene	2500	2410	96	67-136
99-87-6	p-Isopropyltoluene	2500	2790	112	70-124
1634-04-4	Methyl Tert Butyl Ether	2500	2730	109	75-124
91-20-3	Naphthalene	2500	2620	105	59-131
103-65-1	n-Propylbenzene	2500	2670	107	74-125
108-88-3	Toluene	2500	2810	112	79-122
95-63-6	1,2,4-Trimethylbenzene	2500	2790	112	75-122
108-67-8	1,3,5-Trimethylbenzene	2500	2760	110	73-124
	m,p-Xylene	5000	5610	112	79-121
95-47-6	o-Xylene	2500	2920	117	79-122
1330-20-7	Xylene (total)	7500	8520	114	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	86%	67-127%
17060-07-0	1,2-Dichloroethane-D4	81%	65-132%
2037-26-5	Toluene-D8	85%	74-129%
460-00-4	4-Bromofluorobenzene	83%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3927-BS	Y93347A.D	1	10/27/09	YXC	n/a	n/a	VY3927

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	56.7	113	78-120
104-51-8	n-Butylbenzene	50	54.5	109	64-129
135-98-8	sec-Butylbenzene	50	55.5	111	73-123
98-06-6	tert-Butylbenzene	50	56.6	113	71-128
100-41-4	Ethylbenzene	50	55.6	111	81-121
98-82-8	Isopropylbenzene	50	49.2	98	67-136
99-87-6	p-Isopropyltoluene	50	56.9	114	70-124
1634-04-4	Methyl Tert Butyl Ether	50	59.2	118	75-124
91-20-3	Naphthalene	50	52.0	104	59-131
103-65-1	n-Propylbenzene	50	56.4	113	74-125
108-88-3	Toluene	50	56.5	113	79-122
95-63-6	1,2,4-Trimethylbenzene	50	55.4	111	75-122
108-67-8	1,3,5-Trimethylbenzene	50	55.3	111	73-124
	m,p-Xylene	100	111	111	79-121
95-47-6	o-Xylene	50	54.0	108	79-122
1330-20-7	Xylene (total)	150	165	110	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	67-127%
17060-07-0	1,2-Dichloroethane-D4	101%	65-132%
2037-26-5	Toluene-D8	97%	74-129%
460-00-4	4-Bromofluorobenzene	85%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C2465-BS	3C56212.D	1	10/27/09	DPP	n/a	n/a	V3C2465

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-10

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	50.6	101	78-120
104-51-8	n-Butylbenzene	50	49.1	98	64-129
135-98-8	sec-Butylbenzene	50	51.0	102	73-123
98-06-6	tert-Butylbenzene	50	50.7	101	71-128
100-41-4	Ethylbenzene	50	46.1	92	81-121
98-82-8	Isopropylbenzene	50	44.7	89	67-136
99-87-6	p-Isopropyltoluene	50	50.0	100	70-124
1634-04-4	Methyl Tert Butyl Ether	50	50.9	102	75-124
91-20-3	Naphthalene	50	51.9	104	59-131
103-65-1	n-Propylbenzene	50	49.3	99	74-125
108-88-3	Toluene	50	52.0	104	79-122
95-63-6	1,2,4-Trimethylbenzene	50	48.5	97	75-122
108-67-8	1,3,5-Trimethylbenzene	50	48.7	97	73-124
	m,p-Xylene	100	94.6	95	79-121
95-47-6	o-Xylene	50	49.3	99	79-122
1330-20-7	Xylene (total)	150	144	96	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	112%	67-127%
17060-07-0	1,2-Dichloroethane-D4	96%	65-132%
2037-26-5	Toluene-D8	119%	74-129%
460-00-4	4-Bromofluorobenzene	105%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3929-BS	Y93391.D	1	10/28/09	YXC	n/a	n/a	VY3929

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.6	99	78-120
104-51-8	n-Butylbenzene	50	46.0	92	64-129
135-98-8	sec-Butylbenzene	50	47.0	94	73-123
98-06-6	tert-Butylbenzene	50	49.0	98	71-128
100-41-4	Ethylbenzene	50	48.0	96	81-121
98-82-8	Isopropylbenzene	50	41.3	83	67-136
99-87-6	p-Isopropyltoluene	50	48.1	96	70-124
1634-04-4	Methyl Tert Butyl Ether	50	53.8	108	75-124
91-20-3	Naphthalene	50	44.0	88	59-131
103-65-1	n-Propylbenzene	50	47.7	95	74-125
108-88-3	Toluene	50	49.7	99	79-122
	m,p-Xylene	100	94.7	95	79-121
95-47-6	o-Xylene	50	46.2	92	79-122
1330-20-7	Xylene (total)	150	141	94	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	67-127%
17060-07-0	1,2-Dichloroethane-D4	111%	65-132%
2037-26-5	Toluene-D8	100%	74-129%
460-00-4	4-Bromofluorobenzene	86%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA5521-BS	A152690.D	1	10/29/09	OTR	n/a	n/a	VA5521

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-1, JA30995-2, JA30995-3, JA30995-5, JA30995-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	2500	2450	98	78-120
104-51-8	n-Butylbenzene	2500	2590	104	64-129
135-98-8	sec-Butylbenzene	2500	2470	99	73-123
98-06-6	tert-Butylbenzene	2500	2550	102	71-128
100-41-4	Ethylbenzene	2500	2460	98	81-121
98-82-8	Isopropylbenzene	2500	2100	84	67-136
99-87-6	p-Isopropyltoluene	2500	2610	104	70-124
1634-04-4	Methyl Tert Butyl Ether	2500	2400	96	75-124
91-20-3	Naphthalene	2500	2660	106	59-131
103-65-1	n-Propylbenzene	2500	2300	92	74-125
108-88-3	Toluene	2500	2570	103	79-122
95-63-6	1,2,4-Trimethylbenzene	2500	2450	98	75-122
108-67-8	1,3,5-Trimethylbenzene	2500	2410	96	73-124
	m,p-Xylene	5000	4980	100	79-121
95-47-6	o-Xylene	2500	2670	107	79-122
1330-20-7	Xylene (total)	7500	7650	102	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	89%	65-132%
2037-26-5	Toluene-D8	93%	74-129%
460-00-4	4-Bromofluorobenzene	86%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD6489-BS	D161301.D	1	10/30/09	TDN	n/a	n/a	VD6489

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	92%	65-132%
2037-26-5	Toluene-D8	92%	74-129%
460-00-4	4-Bromofluorobenzene	88%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY3937-BS	Y93575.D	1	11/03/09	YXC	n/a	n/a	VY3937

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	54.8	110	78-120
104-51-8	n-Butylbenzene	50	48.4	97	64-129
135-98-8	sec-Butylbenzene	50	50.2	100	73-123
98-06-6	tert-Butylbenzene	50	52.9	106	71-128
100-41-4	Ethylbenzene	50	53.0	106	81-121
98-82-8	Isopropylbenzene	50	44.5	89	67-136
99-87-6	p-Isopropyltoluene	50	52.1	104	70-124
1634-04-4	Methyl Tert Butyl Ether	50	58.6	117	75-124
91-20-3	Naphthalene	50	44.4	89	59-131
103-65-1	n-Propylbenzene	50	51.6	103	74-125
108-88-3	Toluene	50	54.8	110	79-122
95-63-6	1,2,4-Trimethylbenzene	50	53.3	107	75-122
108-67-8	1,3,5-Trimethylbenzene	50	52.9	106	73-124
	m,p-Xylene	100	104	104	79-121
95-47-6	o-Xylene	50	50.4	101	79-122
1330-20-7	Xylene (total)	150	154	103	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	67-127%
17060-07-0	1,2-Dichloroethane-D4	112%	65-132%
2037-26-5	Toluene-D8	98%	74-129%
460-00-4	4-Bromofluorobenzene	87%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG5931-BS	G124727.D	1	11/03/09	SJM	n/a	n/a	VG5931

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-4, JA30995-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	48.3	97	78-120
104-51-8	n-Butylbenzene	50	51.0	102	64-129
135-98-8	sec-Butylbenzene	50	48.0	96	73-123
98-06-6	tert-Butylbenzene	50	49.7	99	71-128
100-41-4	Ethylbenzene	50	51.0	102	81-121
98-82-8	Isopropylbenzene	50	49.6	99	67-136
99-87-6	p-Isopropyltoluene	50	49.0	98	70-124
1634-04-4	Methyl Tert Butyl Ether	50	53.1	106	75-124
91-20-3	Naphthalene	50	50.1	100	59-131
103-65-1	n-Propylbenzene	50	48.0	96	74-125
108-88-3	Toluene	50	52.1	104	79-122
95-63-6	1,2,4-Trimethylbenzene	50	47.5	95	75-122
108-67-8	1,3,5-Trimethylbenzene	50	49.9	100	73-124
	m,p-Xylene	100	100	100	79-121
95-47-6	o-Xylene	50	53.5	107	79-122
1330-20-7	Xylene (total)	150	154	103	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	110%	67-127%
17060-07-0	1,2-Dichloroethane-D4	113%	65-132%
2037-26-5	Toluene-D8	103%	74-129%
460-00-4	4-Bromofluorobenzene	113%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VA5529-BS	A152863.D	1	11/04/09	OTR	n/a	n/a	VA5529

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-1, JA30995-2, JA30995-3, JA30995-5

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
100-41-4	Ethylbenzene	2500	2460	98	81-121
91-20-3	Naphthalene	2500	2410	96	59-131
108-88-3	Toluene	2500	2460	98	79-122
95-63-6	1,2,4-Trimethylbenzene	2500	2490	100	75-122
108-67-8	1,3,5-Trimethylbenzene	2500	2450	98	73-124
	m,p-Xylene	5000	5030	101	79-121
95-47-6	o-Xylene	2500	2660	106	79-122
1330-20-7	Xylene (total)	7500	7690	103	80-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	89%	67-127%
17060-07-0	1,2-Dichloroethane-D4	87%	65-132%
2037-26-5	Toluene-D8	94%	74-129%
460-00-4	4-Bromofluorobenzene	90%	62-138%

Blank Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD6495-BS	D161445.D	1	11/04/09	TDN	n/a	n/a	VD6495

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-63-6	1,2,4-Trimethylbenzene	2500	2480	99	75-122
108-67-8	1,3,5-Trimethylbenzene	2500	2500	100	73-124

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	108%	65-132%
2037-26-5	Toluene-D8	92%	74-129%
460-00-4	4-Bromofluorobenzene	91%	62-138%

Matrix Spike Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30540-4MS	Y93400A.D	1	10/28/09	YXC	n/a	n/a	VY3929
JA30540-4	Y93393.D	1	10/28/09	YXC	n/a	n/a	VY3929

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	JA30540-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
71-43-2	Benzene	ND		68	45.1	66	41-136
104-51-8	n-Butylbenzene	ND		68	22.2	33	4-165
135-98-8	sec-Butylbenzene	ND		68	25.7	38	10-161
98-06-6	tert-Butylbenzene	ND		68	28.7	42	14-161
100-41-4	Ethylbenzene	ND		68	34.5	51	28-147
98-82-8	Isopropylbenzene	ND		68	31.9	47	19-157
99-87-6	p-Isopropyltoluene	ND		68	26.0	38	10-161
1634-04-4	Methyl Tert Butyl Ether	ND		68	56.9	84	48-135
91-20-3	Naphthalene	ND		68	16.6	24	10-157
103-65-1	n-Propylbenzene	ND		68	29.8	44	13-158
108-88-3	Toluene	ND		68	39.8	59	32-145
	m,p-Xylene	ND		136	65.8	48	22-150
95-47-6	o-Xylene	ND		68	30.8	45	26-151
1330-20-7	Xylene (total)	ND		204	96.7	47	24-150

CAS No.	Surrogate Recoveries	MS	JA30540-4	Limits
1868-53-7	Dibromofluoromethane	94%	99%	67-127%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	65-132%
2037-26-5	Toluene-D8	93%	88%	74-129%
460-00-4	4-Bromofluorobenzene	88%	76%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30994-4MS	X97129.D	1	10/25/09	JTP	n/a	n/a	VX4077
JA30994-4MSD	X97130.D	1	10/25/09	JTP	n/a	n/a	VX4077
JA30994-4 [a]	X97132.D	1	10/25/09	JTP	n/a	n/a	VX4077

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-6, JA30995-8, JA30995-9, JA30995-15

CAS No.	Compound	JA30994-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		52.6	46.3	88	48.3	92	4	41-136/24
104-51-8	n-Butylbenzene	ND		52.6	46.3	88	47.4	90	2	4-165/35
135-98-8	sec-Butylbenzene	ND		52.6	45.9	87	46.4	88	1	10-161/32
98-06-6	tert-Butylbenzene	ND		52.6	46.1	88	46.5	88	1	14-161/30
100-41-4	Ethylbenzene	ND		52.6	45.3	86	46.4	88	2	28-147/27
98-82-8	Isopropylbenzene	ND		52.6	44.8	85	45.5	87	2	19-157/30
99-87-6	p-Isopropyltoluene	ND		52.6	44.9	85	46.0	87	2	10-161/33
1634-04-4	Methyl Tert Butyl Ether	ND		52.6	41.6	79	42.1	80	1	48-135/22
91-20-3	Naphthalene	ND		52.6	37.7	72	39.0	74	3	10-157/36
103-65-1	n-Propylbenzene	ND		52.6	45.1	86	46.3	88	3	13-158/31
108-88-3	Toluene	ND		52.6	46.2	88	47.1	90	2	32-145/26
95-63-6	1,2,4-Trimethylbenzene	ND		52.6	42.8	81	42.9	82	0	13-158/36
108-67-8	1,3,5-Trimethylbenzene	ND		52.6	43.3	82	44.1	84	2	15-157/30
	m,p-Xylene	ND		105	90.9	86	92.9	88	2	22-150/29
95-47-6	o-Xylene	ND		52.6	45.2	86	46.4	88	3	26-151/27
1330-20-7	Xylene (total)	ND		158	136	86	139	88	2	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA30994-4	Limits
1868-53-7	Dibromofluoromethane	93%	93%	88%	67-127%
17060-07-0	1,2-Dichloroethane-D4	86%	85%	92%	65-132%
2037-26-5	Toluene-D8	103%	103%	104%	74-129%
460-00-4	4-Bromofluorobenzene	97%	96%	95%	62-138%

(a) Sample received outside the holding time.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30995-16MS	E157482.D	1	10/26/09	OTR	n/a	n/a	VE6938
JA30995-16MSD	E157483.D	1	10/26/09	OTR	n/a	n/a	VE6938
JA30995-16 [a]	E157485.D	1	10/27/09	OTR	n/a	n/a	VE6938

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-9, JA30995-13, JA30995-14, JA30995-16

CAS No.	Compound	JA30995-16 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		2960	3280	111	3290	111	0	41-136/24
104-51-8	n-Butylbenzene	194	J	2960	3420	109	3400	108	1	4-165/35
135-98-8	sec-Butylbenzene	94.6	J	2960	3380	111	3390	111	0	10-161/32
98-06-6	tert-Butylbenzene	ND		2960	3320	112	3360	114	1	14-161/30
100-41-4	Ethylbenzene	819		2960	4050	109	4030	109	0	28-147/27
98-82-8	Isopropylbenzene	101	J	2960	3420	112	3440	113	1	19-157/30
99-87-6	p-Isopropyltoluene	46.3	J	2960	3340	111	3360	112	1	10-161/33
1634-04-4	Methyl Tert Butyl Ether	ND		2960	3280	111	3270	111	0	48-135/22
91-20-3	Naphthalene	399		2960	3450	103	3460	103	0	10-157/36
103-65-1	n-Propylbenzene	429		2960	3640	109	3640	109	0	13-158/31
108-88-3	Toluene	1620		2960	4990	114	4960	113	1	32-145/26
95-63-6	1,2,4-Trimethylbenzene	4010		2960	7090	104	7090	104	0	13-158/36
108-67-8	1,3,5-Trimethylbenzene	1410		2960	4690	111	4690	111	0	15-157/30
	m,p-Xylene	5830		5920	12300	109	12200	108	1	22-150/29
95-47-6	o-Xylene	2570		2960	5920	113	5890	112	1	26-151/27
1330-20-7	Xylene (total)	8400		8880	18200	110	18100	109	1	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA30995-16	Limits
1868-53-7	Dibromofluoromethane	87%	88%	84%	67-127%
17060-07-0	1,2-Dichloroethane-D4	81%	82%	83%	65-132%
2037-26-5	Toluene-D8	86%	85%	84%	74-129%
460-00-4	4-Bromofluorobenzene	83%	82%	82%	62-138%

(a) Diluted due to high concentration of target compound.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31205-6MS	3C56215.D	1	10/27/09	DPP	n/a	n/a	V3C2465
JA31205-6MSD	3C56216.D	1	10/27/09	DPP	n/a	n/a	V3C2465
JA31205-6	3C56213.D	1	10/27/09	DPP	n/a	n/a	V3C2465

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-10

CAS No.	Compound	JA31205-6 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	7.0		59.7	54.0	79	47.2	67	13	41-136/24
104-51-8	n-Butylbenzene	ND		59.7	46.8	78	41.5	70	12	4-165/35
135-98-8	sec-Butylbenzene	ND		59.7	46.6	78	41.4	69	12	10-161/32
98-06-6	tert-Butylbenzene	ND		59.7	47.0	79	41.8	70	12	14-161/30
100-41-4	Ethylbenzene	2.2		59.7	48.1	77	42.2	67	13	28-147/27
98-82-8	Isopropylbenzene	ND		59.7	49.4	83	43.5	73	13	19-157/30
99-87-6	p-Isopropyltoluene	ND		59.7	46.7	78	41.4	69	12	10-161/33
1634-04-4	Methyl Tert Butyl Ether	10		59.7	59.8	83	53.2	72	12	48-135/22
91-20-3	Naphthalene	3.9		59.7	58.5	91	53.5	83	9	10-157/36
103-65-1	n-Propylbenzene	0.90		59.7	48.5	80	42.7	70	13	13-158/31
108-88-3	Toluene	ND		59.7	52.7	88	46.9	79	12	32-145/26
95-63-6	1,2,4-Trimethylbenzene	5.4		59.7	51.8	78	45.9	68	12	13-158/36
108-67-8	1,3,5-Trimethylbenzene	1.5		59.7	49.1	80	43.4	70	12	15-157/30
	m,p-Xylene	13.8		119	102	74	88.8	63	14	22-150/29
95-47-6	o-Xylene	6.4		59.7	52.7	78	46.4	67	13	26-151/27
1330-20-7	Xylene (total)	20.2		179	155	75	135	64	14	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA31205-6	Limits
1868-53-7	Dibromofluoromethane	111%	110%	108%	67-127%
17060-07-0	1,2-Dichloroethane-D4	94%	93%	91%	65-132%
2037-26-5	Toluene-D8	119%	120%	117%	74-129%
460-00-4	4-Bromofluorobenzene	103%	104%	106%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30995-11MS	Y93357.D	1	10/27/09	YXC	n/a	n/a	VY3927
JA30995-11MSD	Y93358.D	1	10/27/09	YXC	n/a	n/a	VY3927
JA30995-11	Y93355.D	1	10/27/09	YXC	n/a	n/a	VY3927

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-11

CAS No.	Compound	JA30995-11 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		57.5	44.7	78	32.9	77	30* [a]	41-136/24
104-51-8	n-Butylbenzene	ND		57.5	37.8	66	23.6	55	46* [a]	4-165/35
135-98-8	sec-Butylbenzene	ND		57.5	40.8	71	26.2	61	44* [a]	10-161/32
98-06-6	tert-Butylbenzene	ND		57.5	43.4	75	28.9	67	40* [a]	14-161/30
100-41-4	Ethylbenzene	ND		57.5	44.5	77	32.1	75	32* [a]	28-147/27
98-82-8	Isopropylbenzene	ND		57.5	45.0	78	31.3	73	36* [a]	19-157/30
99-87-6	p-Isopropyltoluene	ND		57.5	41.4	72	26.9	63	42* [a]	10-161/33
1634-04-4	Methyl Tert Butyl Ether	ND		57.5	44.9	78	32.6	76	32* [a]	48-135/22
91-20-3	Naphthalene	ND		57.5	40.7	71	26.9	63	41* [a]	10-157/36
103-65-1	n-Propylbenzene	ND		57.5	43.5	76	29.8	69	37* [a]	13-158/31
108-88-3	Toluene	ND		57.5	44.4	77	32.6	76	31* [a]	32-145/26
95-63-6	1,2,4-Trimethylbenzene	ND		57.5	40.5	70	27.4	64	39* [a]	13-158/36
108-67-8	1,3,5-Trimethylbenzene	ND		57.5	43.3	75	29.8	69	37* [a]	15-157/30
	m,p-Xylene	ND		115	86.7	75	61.1	71	35* [a]	22-150/29
95-47-6	o-Xylene	ND		57.5	41.9	73	30.2	70	32* [a]	26-151/27
1330-20-7	Xylene (total)	ND		173	129	75	91.2	71	34* [a]	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA30995-11	Limits
1868-53-7	Dibromofluoromethane	93%	92%	96%	67-127%
17060-07-0	1,2-Dichloroethane-D4	86%	83%	85%	65-132%
2037-26-5	Toluene-D8	98%	97%	88%	74-129%
460-00-4	4-Bromofluorobenzene	85%	84%	75%	62-138%

(a) Outside control limits due to matrix interference.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30995-7MS	A152691.D	1	10/30/09	OTR	n/a	n/a	VA5521
JA30995-7MSD	A152692.D	1	10/30/09	OTR	n/a	n/a	VA5521
JA30995-7	A152694.D	1	10/30/09	OTR	n/a	n/a	VA5521

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-1, JA30995-2, JA30995-3, JA30995-5, JA30995-7

CAS No.	Compound	JA30995-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	26.3	J	2790	2750	97	2760	98	0	41-136/24
104-51-8	n-Butylbenzene	722		2790	3620	104	3730	108	3	4-165/35
135-98-8	sec-Butylbenzene	301		2790	3160	102	3160	102	0	10-161/32
98-06-6	tert-Butylbenzene	ND		2790	2900	104	2910	104	0	14-161/30
100-41-4	Ethylbenzene	2760		2790	5270	90	5250	89	0	28-147/27
98-82-8	Isopropylbenzene	455		2790	3050	93	3090	94	1	19-157/30
99-87-6	p-Isopropyltoluene	271	J	2790	3230	106	3210	105	1	10-161/33
1634-04-4	Methyl Tert Butyl Ether	ND		2790	2650	95	2660	95	0	48-135/22
91-20-3	Naphthalene	2300		2790	5050	98	5000	97	1	10-157/36
103-65-1	n-Propylbenzene	1690		2790	4150	88	4160	88	0	13-158/31
108-88-3	Toluene	97.5		2790	2990	104	2960	102	1	32-145/26
95-63-6	1,2,4-Trimethylbenzene	11100		2790	13500	86	13400	82	1	13-158/36
108-67-8	1,3,5-Trimethylbenzene	3700		2790	6290	93	6090	86	3	15-157/30
	m,p-Xylene	10400		5590	15000	82	14800	79	1	22-150/29
95-47-6	o-Xylene	1010		2790	3820	101	3820	101	0	26-151/27
1330-20-7	Xylene (total)	11400		8380	18800	88	18600	86	1	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA30995-7	Limits
1868-53-7	Dibromofluoromethane	91%	89%	85%	67-127%
17060-07-0	1,2-Dichloroethane-D4	88%	87%	86%	65-132%
2037-26-5	Toluene-D8	95%	94%	92%	74-129%
460-00-4	4-Bromofluorobenzene	84%	83%	83%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31184-12MS	D161303.D	1	10/31/09	TDN	n/a	n/a	VD6489
JA31184-12MSD	D161304.D	1	10/31/09	TDN	n/a	n/a	VD6489
JA31184-12	D161302.D	1	10/30/09	TDN	n/a	n/a	VD6489

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	JA31184-12 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD

CAS No.	Surrogate Recoveries	MS	MSD	JA31184-12	Limits
1868-53-7	Dibromofluoromethane	89%	88%	87%	67-127%
17060-07-0	1,2-Dichloroethane-D4	89%	88%	92%	65-132%
2037-26-5	Toluene-D8	99%	100%	99%	74-129%
460-00-4	4-Bromofluorobenzene	108%	107%	112%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31492-4MS	Y93576.D	1	11/03/09	YXC	n/a	n/a	VY3937
JA31492-4MSD	Y93577.D	1	11/03/09	YXC	n/a	n/a	VY3937
JA31492-4	Y93579.D	1	11/03/09	YXC	n/a	n/a	VY3937

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-12

CAS No.	Compound	JA31492-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		54.1	48.6	90	47.5	88	2	41-136/24
104-51-8	n-Butylbenzene	ND		54.1	31.5	58	31.5	58	0	4-165/35
135-98-8	sec-Butylbenzene	ND		54.1	36.1	67	36.5	67	1	10-161/32
98-06-6	tert-Butylbenzene	ND		54.1	40.0	74	39.8	74	1	14-161/30
100-41-4	Ethylbenzene	ND		54.1	46.1	85	45.3	84	2	28-147/27
98-82-8	Isopropylbenzene	ND		54.1	43.9	81	43.5	80	1	19-157/30
99-87-6	p-Isopropyltoluene	ND		54.1	37.1	69	36.8	68	1	10-161/33
1634-04-4	Methyl Tert Butyl Ether	ND		54.1	50.9	94	49.8	92	2	48-135/22
91-20-3	Naphthalene	ND		54.1	31.8	59	31.3	58	2	10-157/36
103-65-1	n-Propylbenzene	ND		54.1	42.3	78	41.9	77	1	13-158/31
108-88-3	Toluene	0.37		54.1	47.7	87	46.4	85	3	32-145/26
95-63-6	1,2,4-Trimethylbenzene	ND		54.1	42.4	78	42.3	78	0	13-158/36
108-67-8	1,3,5-Trimethylbenzene	ND		54.1	43.1	80	42.9	79	0	15-157/30
	m,p-Xylene	ND		108	87.7	81	86.4	80	1	22-150/29
95-47-6	o-Xylene	ND		54.1	41.6	77	41.2	76	1	26-151/27
1330-20-7	Xylene (total)	ND		162	129	79	128	79	1	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA31492-4	Limits
1868-53-7	Dibromofluoromethane	94%	94%	97%	67-127%
17060-07-0	1,2-Dichloroethane-D4	99%	98%	99%	65-132%
2037-26-5	Toluene-D8	96%	96%	86%	74-129%
460-00-4	4-Bromofluorobenzene	86%	86%	76%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30995-18MS	G124729.D	1	11/04/09	SJM	n/a	n/a	VG5931
JA30995-18MSD	G124730.D	1	11/04/09	SJM	n/a	n/a	VG5931
JA30995-18	G124728.D	1	11/03/09	SJM	n/a	n/a	VG5931

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-4, JA30995-18

CAS No.	Compound	JA30995-18 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4.3		51.9	39.9	69	42.9	74	7	41-136/24
104-51-8	n-Butylbenzene	ND		51.9	18.8	36	23.5	45	22	4-165/35
135-98-8	sec-Butylbenzene	2.4	J	51.9	20.4	35	25.9	45	24	10-161/32
98-06-6	tert-Butylbenzene	2.2	J	51.9	24.3	43	29.4	52	19	14-161/30
100-41-4	Ethylbenzene	1.9		51.9	32.9	60	37.2	68	12	28-147/27
98-82-8	Isopropylbenzene	16.5		51.9	35.3	36	38.8	43	9	19-157/30
99-87-6	p-Isopropyltoluene	0.59	J	51.9	20.7	39	26.1	49	23	10-161/33
1634-04-4	Methyl Tert Butyl Ether	3.4		51.9	48.3	87	46.9	84	3	48-135/22
91-20-3	Naphthalene	ND		51.9	22.1	43	25.8	50	15	10-157/36
103-65-1	n-Propylbenzene	3.2	J	51.9	25.3	43	30.2	52	18	13-158/31
108-88-3	Toluene	4.6		51.9	37.6	64	42.1	72	11	32-145/26
95-63-6	1,2,4-Trimethylbenzene	5.4	J	51.9	25.9	40	31.1	50	18	13-158/36
108-67-8	1,3,5-Trimethylbenzene	8.8		51.9	29.8	40	34.9	50	16	15-157/30
	m,p-Xylene	10.4		104	66.3	54	78.7	66	17	22-150/29
95-47-6	o-Xylene	4.9		51.9	36.4	61	41.1	70	12	26-151/27
1330-20-7	Xylene (total)	15.2		156	103	56	120	67	15	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA30995-18	Limits
1868-53-7	Dibromofluoromethane	110%	107%	106%	67-127%
17060-07-0	1,2-Dichloroethane-D4	116%	109%	109%	65-132%
2037-26-5	Toluene-D8	104%	104%	101%	74-129%
460-00-4	4-Bromofluorobenzene	113%	113%	114%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31054-2RMS	A152864.D	1	11/04/09	OTR	n/a	n/a	VA5529
JA31054-2RMSD	A152865.D	1	11/04/09	OTR	n/a	n/a	VA5529
JA31054-2R	A152866.D	1	11/04/09	OTR	n/a	n/a	VA5529

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-1, JA30995-2, JA30995-3, JA30995-5

CAS No.	Compound	JA31054-2R ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
100-41-4	Ethylbenzene	3680		24400	25600	90	25500	90	0	28-147/27
91-20-3	Naphthalene	22800		24400	43700	86	44100	87	1	10-157/36
108-88-3	Toluene	ND		24400	23700	97	23700	97	0	32-145/26
95-63-6	1,2,4-Trimethylbenzene	756	J	24400	24200	96	24400	97	1	13-158/36
108-67-8	1,3,5-Trimethylbenzene	174	J	24400	23400	95	23500	96	0	15-157/30
	m,p-Xylene	402	J	48700	47800	97	47800	97	0	22-150/29
95-47-6	o-Xylene	ND		24400	24100	99	24300	100	1	26-151/27
1330-20-7	Xylene (total)	513	J	73100	71900	98	72100	98	0	24-150/28

CAS No.	Surrogate Recoveries	MS	MSD	JA31054-2R	Limits
1868-53-7	Dibromofluoromethane	90%	90%	88%	67-127%
17060-07-0	1,2-Dichloroethane-D4	87%	88%	88%	65-132%
2037-26-5	Toluene-D8	96%	95%	96%	74-129%
460-00-4	4-Bromofluorobenzene	86%	85%	87%	62-138%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA31316-4MS	D161446.D	1	11/04/09	TDN	n/a	n/a	VD6495
JA31316-4MSD	D161447.D	1	11/04/09	TDN	n/a	n/a	VD6495
JA31316-4 [a]	D161449.D	1	11/04/09	TDN	n/a	n/a	VD6495

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	JA31316-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-63-6	1,2,4-Trimethylbenzene	ND		2940	2660	90	2530	86	5	13-158/36
108-67-8	1,3,5-Trimethylbenzene	ND		2940	2670	91	2540	86	5	15-157/30

CAS No.	Surrogate Recoveries	MS	MSD	JA31316-4	Limits
1868-53-7	Dibromofluoromethane	92%	92%	88%	67-127%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	105%	65-132%
2037-26-5	Toluene-D8	92%	93%	91%	74-129%
460-00-4	4-Bromofluorobenzene	90%	89%	91%	62-138%

(a) Confirmation run for internal standard areas.

Duplicate Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA30540-3DUP	Y93413.D	1	10/29/09	YXC	n/a	n/a	VY3929
JA30540-3	Y93392.D	1	10/28/09	YXC	n/a	n/a	VY3929

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA30995-17

CAS No.	Compound	JA30540-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	15
104-51-8	n-Butylbenzene	ND		ND		nc	12
135-98-8	sec-Butylbenzene	ND		ND		nc	30
98-06-6	tert-Butylbenzene	ND		ND		nc	11
100-41-4	Ethylbenzene	ND		ND		nc	15
98-82-8	Isopropylbenzene	ND		ND		nc	15
99-87-6	p-Isopropyltoluene	ND		ND		nc	10
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	15
91-20-3	Naphthalene	ND		ND		nc	37
103-65-1	n-Propylbenzene	ND		ND		nc	19
108-88-3	Toluene	ND		ND		nc	27
	m,p-Xylene	ND		ND		nc	24
95-47-6	o-Xylene	ND		ND		nc	27
1330-20-7	Xylene (total)	ND		ND		nc	24

CAS No.	Surrogate Recoveries	DUP	JA30540-3	Limits
1868-53-7	Dibromofluoromethane	97%	100%	67-127%
17060-07-0	1,2-Dichloroethane-D4	87%	95%	65-132%
2037-26-5	Toluene-D8	88%	89%	74-129%
460-00-4	4-Bromofluorobenzene	77%	75%	62-138%

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: V3C2443-BFB
Lab File ID: 3C55789.D
Instrument ID: GCMS3C
Injection Date: 10/14/09
Injection Time: 16:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8442	16.1		Pass
75	30.0 - 60.0% of mass 95	23792	45.3		Pass
95	Base peak, 100% relative abundance	52538	100.0		Pass
96	5.0 - 9.0% of mass 95	3551	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	44474	84.7		Pass
175	5.0 - 9.0% of mass 174	3293	6.3	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	43245	82.3	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	2830	5.4	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C2443-IC2443	3C55790.D	10/14/09	17:23	00:27	Initial cal 0.5
V3C2443-IC2443	3C55791.D	10/14/09	17:51	00:55	Initial cal 1
V3C2443-IC2443	3C55792.D	10/14/09	18:20	01:24	Initial cal 5
V3C2443-IC2443	3C55793.D	10/14/09	18:49	01:53	Initial cal 10
V3C2443-IC2443	3C55794.D	10/14/09	19:17	02:21	Initial cal 20
V3C2443-ICC2443	3C55795.D	10/14/09	19:46	02:50	Initial cal 50
V3C2443-IC2443	3C55796.D	10/14/09	20:15	03:19	Initial cal 100
V3C2443-IC2443	3C55797.D	10/14/09	20:43	03:47	Initial cal 200

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: V3C2465-BFB
Lab File ID: 3C56208.D
Instrument ID: GCMS3C
Injection Date: 10/27/09
Injection Time: 11:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	8631	15.5		Pass
75	30.0 - 60.0% of mass 95	24645	44.2		Pass
95	Base peak, 100% relative abundance	55744	100.0		Pass
96	5.0 - 9.0% of mass 95	3847	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	49512	88.8		Pass
175	5.0 - 9.0% of mass 174	3635	6.5	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	47768	85.7	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3178	5.7	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C2465-CC2443	3C56209.D	10/27/09	12:24	00:52	Continuing cal 50
V3C2465-MB1	3C56211.D	10/27/09	13:44	02:12	Method Blank
V3C2465-BS	3C56212.D	10/27/09	14:21	02:49	Blank Spike
JA31205-6	3C56213.D	10/27/09	15:04	03:32	(used for QC only; not part of job JA30995)
ZZZZZZ	3C56214.D	10/27/09	15:33	04:01	(unrelated sample)
JA31205-6MS	3C56215.D	10/27/09	16:09	04:37	Matrix Spike
JA31205-6MSD	3C56216.D	10/27/09	16:37	05:05	Matrix Spike Duplicate
ZZZZZZ	3C56218.D	10/27/09	17:35	06:03	(unrelated sample)
ZZZZZZ	3C56219.D	10/27/09	18:04	06:32	(unrelated sample)
ZZZZZZ	3C56222.D	10/27/09	19:30	07:58	(unrelated sample)
ZZZZZZ	3C56224.D	10/27/09	20:27	08:55	(unrelated sample)
ZZZZZZ	3C56225.D	10/27/09	20:56	09:24	(unrelated sample)
ZZZZZZ	3C56227.D	10/27/09	21:54	10:22	(unrelated sample)
ZZZZZZ	3C56228.D	10/27/09	22:23	10:51	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: V3C2465-BFB
Lab File ID: 3C56229.D
Instrument ID: GCMS3C
Injection Date: 10/27/09
Injection Time: 22:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7688	17.0		Pass
75	30.0 - 60.0% of mass 95	20901	46.2		Pass
95	Base peak, 100% relative abundance	45216	100.0		Pass
96	5.0 - 9.0% of mass 95	3113	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	36714	81.2		Pass
175	5.0 - 9.0% of mass 174	2741	6.1	(7.5) [a]	Pass
176	95.0 - 101.0% of mass 174	35272	78.0	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	2241	5.0	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C2465-CC2443	3C56230.D	10/27/09	23:16	00:27	Continuing cal 20
V3C2465-MB2	3C56232.D	10/28/09	00:14	01:25	Method Blank
JA30995-10	3C56233.D	10/28/09	00:42	01:53	SB-8:15-20'
ZZZZZZ	3C56234.D	10/28/09	01:11	02:22	(unrelated sample)
ZZZZZZ	3C56235.D	10/28/09	01:40	02:51	(unrelated sample)
ZZZZZZ	3C56236.D	10/28/09	02:08	03:19	(unrelated sample)
ZZZZZZ	3C56237.D	10/28/09	02:37	03:48	(unrelated sample)
ZZZZZZ	3C56238.D	10/28/09	03:06	04:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VA5487-BFB
Lab File ID: A151977.D
Instrument ID: GCMSA
Injection Date: 10/09/09
Injection Time: 10:35

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	13405	17.5		Pass
75	30.0 - 60.0% of mass 95	34467	44.9		Pass
95	Base peak, 100% relative abundance	76765	100.0		Pass
96	5.0 - 9.0% of mass 95	5217	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	63091	82.2		Pass
175	5.0 - 9.0% of mass 174	4633	6.0	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	61053	79.5	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3995	5.2	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VA5487-IC5487	A151979.D	10/09/09	11:35	01:00	Initial cal 1
VA5487-IC5487	A151980.D	10/09/09	12:04	01:29	Initial cal 2
VA5487-IC5487	A151981.D	10/09/09	12:34	01:59	Initial cal 5
VA5487-IC5487	A151982.D	10/09/09	13:18	02:43	Initial cal 20
VA5487-ICC5487	A151983.D	10/09/09	13:48	03:13	Initial cal 50
VA5487-IC5487	A151984.D	10/09/09	14:17	03:42	Initial cal 200
VA5487-IC5487	A151985.D	10/09/09	14:56	04:21	Initial cal 100
VA5487-ICV5487	A151988.D	10/09/09	16:28	05:53	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VA5521-BFB
Lab File ID: A152686.D
Instrument ID: GCMSA
Injection Date: 10/29/09
Injection Time: 21:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14168	17.0		Pass
75	30.0 - 60.0% of mass 95	37920	45.5		Pass
95	Base peak, 100% relative abundance	83403	100.0		Pass
96	5.0 - 9.0% of mass 95	5804	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	70533	84.6		Pass
175	5.0 - 9.0% of mass 174	5198	6.2	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	68091	81.6	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4621	5.5	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VA5521-CC5487	A152687.D	10/29/09	22:13	00:15	Continuing cal 50
VA5521-MB1	A152689.D	10/29/09	23:27	01:29	Method Blank
VA5521-BS	A152690.D	10/29/09	23:56	01:58	Blank Spike
JA30995-7MS	A152691.D	10/30/09	00:26	02:28	Matrix Spike
JA30995-7MSD	A152692.D	10/30/09	00:56	02:58	Matrix Spike Duplicate
JA30995-7	A152694.D	10/30/09	02:09	04:11	SB-7:10-15'
JA30995-1	A152695.D	10/30/09	02:39	04:41	SB-4:5-10'
JA30995-2	A152696.D	10/30/09	03:09	05:11	SB-4:15-20'
JA30995-3	A152697.D	10/30/09	03:38	05:40	SB-5:5-10'
JA30995-5	A152699.D	10/30/09	04:52	06:54	SB-6:10-15'
ZZZZZZ	A152701.D	10/30/09	05:51	07:53	(unrelated sample)
ZZZZZZ	A152702.D	10/30/09	06:21	08:23	(unrelated sample)
ZZZZZZ	A152703.D	10/30/09	06:50	08:52	(unrelated sample)
ZZZZZZ	A152704.D	10/30/09	07:35	09:37	(unrelated sample)
ZZZZZZ	A152705.D	10/30/09	08:06	10:08	(unrelated sample)
ZZZZZZ	A152706.D	10/30/09	08:40	10:42	(unrelated sample)
ZZZZZZ	A152707.D	10/30/09	09:10	11:12	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VA5529-BFB
Lab File ID: A152859.D
Instrument ID: GCMSA
Injection Date: 11/03/09
Injection Time: 22:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	16869	16.8		Pass
75	30.0 - 60.0% of mass 95	45667	45.4		Pass
95	Base peak, 100% relative abundance	100600	100.0		Pass
96	5.0 - 9.0% of mass 95	7005	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	89331	88.8		Pass
175	5.0 - 9.0% of mass 174	6496	6.5	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	85584	85.1	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	5701	5.7	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VA5529-CC5487	A152860.D	11/03/09	22:43	00:25	Continuing cal 50
VA5529-MB1	A152862.D	11/03/09	23:56	01:38	Method Blank
VA5529-BS	A152863.D	11/04/09	00:26	02:08	Blank Spike
JA31054-2RMS	A152864.D	11/04/09	00:56	02:38	Matrix Spike
JA31054-2RMSD	A152865.D	11/04/09	01:25	03:07	Matrix Spike Duplicate
JA31054-2R	A152866.D	11/04/09	01:55	03:37	(used for QC only; not part of job JA30995)
ZZZZZZ	A152867.D	11/04/09	02:39	04:21	(unrelated sample)
ZZZZZZ	A152868.D	11/04/09	03:09	04:51	(unrelated sample)
JA30995-1	A152869.D	11/04/09	03:38	05:20	SB-4:5-10'
JA30995-2	A152870.D	11/04/09	04:08	05:50	SB-4:15-20'
JA30995-3	A152871.D	11/04/09	04:37	06:19	SB-5:5-10'
JA30995-5	A152872.D	11/04/09	05:07	06:49	SB-6:10-15'
ZZZZZZ	A152873.D	11/04/09	05:51	07:33	(unrelated sample)
ZZZZZZ	A152874.D	11/04/09	06:21	08:03	(unrelated sample)
ZZZZZZ	A152875.D	11/04/09	06:50	08:32	(unrelated sample)
ZZZZZZ	A152876.D	11/04/09	07:20	09:02	(unrelated sample)
ZZZZZZ	A152877.D	11/04/09	07:50	09:32	(unrelated sample)
ZZZZZZ	A152879.D	11/04/09	08:54	10:36	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VD6413-BFB
Lab File ID: D159484.D
Instrument ID: GCMSD
Injection Date: 09/16/09
Injection Time: 13:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	11965	21.4		Pass
75	30.0 - 60.0% of mass 95	28472	51.0		Pass
95	Base peak, 100% relative abundance	55864	100.0		Pass
96	5.0 - 9.0% of mass 95	3729	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	47707	85.4		Pass
175	5.0 - 9.0% of mass 174	3487	6.2	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	46277	82.8	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	3180	5.7	(6.9) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD6413-IC6413	D159485.D	09/16/09	16:03	02:27	Initial cal 0.5
VD6413-IC6413	D159486.D	09/16/09	16:33	02:57	Initial cal 1
VD6413-IC6413	D159487.D	09/16/09	17:02	03:26	Initial cal 2
VD6413-IC6413	D159488.D	09/16/09	17:32	03:56	Initial cal 5
VD6413-IC6413	D159489.D	09/16/09	18:01	04:25	Initial cal 20
VD6413-ICC6413	D159490.D	09/16/09	18:31	04:55	Initial cal 50
VD6413-IC6413	D159491.D	09/16/09	19:00	05:24	Initial cal 100
VD6413-IC6413	D159492.D	09/16/09	19:29	05:53	Initial cal 200
VD6413-ICV6413	D159495.D	09/16/09	20:57	07:21	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VD6489-BFB
Lab File ID: D161297.D
Instrument ID: GCMSD
Injection Date: 10/30/09
Injection Time: 21:14

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17017	18.3		Pass
75	30.0 - 60.0% of mass 95	45128	48.4		Pass
95	Base peak, 100% relative abundance	93155	100.0		Pass
96	5.0 - 9.0% of mass 95	6418	6.9		Pass
173	Less than 2.0% of mass 174	466	0.5	(0.58) [a]	Pass
174	50.0 - 120.0% of mass 95	80123	86.0		Pass
175	5.0 - 9.0% of mass 174	5858	6.3	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	78611	84.4	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	5011	5.4	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD6489-CC6413	D161298.D	10/30/09	21:42	00:28	Continuing cal 50
VD6489-MB1	D161300.D	10/30/09	22:41	01:27	Method Blank
VD6489-BS	D161301.D	10/30/09	23:10	01:56	Blank Spike
JA31184-12	D161302.D	10/30/09	23:39	02:25	(used for QC only; not part of job JA30995)
JA31184-12MS	D161303.D	10/31/09	00:09	02:55	Matrix Spike
JA31184-12MSD	D161304.D	10/31/09	00:38	03:24	Matrix Spike Duplicate
ZZZZZZ	D161306.D	10/31/09	01:37	04:23	(unrelated sample)
ZZZZZZ	D161308.D	10/31/09	02:36	05:22	(unrelated sample)
ZZZZZZ	D161310.D	10/31/09	03:34	06:20	(unrelated sample)
ZZZZZZ	D161311.D	10/31/09	04:04	06:50	(unrelated sample)
ZZZZZZ	D161313.D	10/31/09	05:02	07:48	(unrelated sample)
ZZZZZZ	D161314.D	10/31/09	05:31	08:17	(unrelated sample)
ZZZZZZ	D161316.D	10/31/09	06:30	09:16	(unrelated sample)
JA30995-17	D161317.D	10/31/09	06:59	09:45	SB-9:10-15'
ZZZZZZ	D161318.D	10/31/09	07:29	10:15	(unrelated sample)
ZZZZZZ	D161319.D	10/31/09	07:58	10:44	(unrelated sample)
ZZZZZZ	D161320.D	10/31/09	08:27	11:13	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VD6495-BFB
Lab File ID: D161441.D
Instrument ID: GCMSD
Injection Date: 11/04/09
Injection Time: 05:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	19563	19.8		Pass
75	30.0 - 60.0% of mass 95	50363	51.0		Pass
95	Base peak, 100% relative abundance	98795	100.0		Pass
96	5.0 - 9.0% of mass 95	6592	6.7		Pass
173	Less than 2.0% of mass 174	487	0.49	(0.57) [a]	Pass
174	50.0 - 120.0% of mass 95	85245	86.3		Pass
175	5.0 - 9.0% of mass 174	6031	6.1	(7.1) [a]	Pass
176	95.0 - 101.0% of mass 174	84093	85.1	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5666	5.7	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD6495-CC6413	D161442.D	11/04/09	05:49	00:28	Continuing cal 50
VD6495-MB1	D161444.D	11/04/09	06:47	01:26	Method Blank
VD6495-BS	D161445.D	11/04/09	07:17	01:56	Blank Spike
JA31316-4MS	D161446.D	11/04/09	07:46	02:25	Matrix Spike
JA31316-4MSD	D161447.D	11/04/09	08:15	02:54	Matrix Spike Duplicate
JA31316-4	D161449.D	11/04/09	09:14	03:53	(used for QC only; not part of job JA30995)
ZZZZZZ	D161450.D	11/04/09	09:43	04:22	(unrelated sample)
ZZZZZZ	D161452.D	11/04/09	10:42	05:21	(unrelated sample)
ZZZZZZ	D161453.D	11/04/09	11:11	05:50	(unrelated sample)
ZZZZZZ	D161454.D	11/04/09	11:40	06:19	(unrelated sample)
ZZZZZZ	D161455.D	11/04/09	12:09	06:48	(unrelated sample)
ZZZZZZ	D161456.D	11/04/09	12:39	07:18	(unrelated sample)
ZZZZZZ	D161457.D	11/04/09	13:08	07:47	(unrelated sample)
ZZZZZZ	D161458.D	11/04/09	13:37	08:16	(unrelated sample)
JA30995-17	D161459.D	11/04/09	14:07	08:46	SB-9:10-15'
ZZZZZZ	D161460.D	11/04/09	14:36	09:15	(unrelated sample)
ZZZZZZ	D161461.D	11/04/09	15:05	09:44	(unrelated sample)
ZZZZZZ	D161463.D	11/04/09	16:04	10:43	(unrelated sample)
ZZZZZZ	D161465.D	11/04/09	17:02	11:41	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VE6915-BFB
Lab File ID: E156992.D
Instrument ID: GCMSE
Injection Date: 10/13/09
Injection Time: 12:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17067	18.0		Pass
75	30.0 - 60.0% of mass 95	43789	46.3		Pass
95	Base peak, 100% relative abundance	94648	100.0		Pass
96	5.0 - 9.0% of mass 95	6467	6.8		Pass
173	Less than 2.0% of mass 174	377	0.4	(0.42) [a]	Pass
174	50.0 - 120.0% of mass 95	89117	94.2		Pass
175	5.0 - 9.0% of mass 174	6484	6.9	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	87408	92.4	(98.1) [a]	Pass
177	5.0 - 9.0% of mass 176	5930	6.3	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VE6915-IC6915	E156994.D	10/13/09	13:30	00:59	Initial cal 1
VE6915-IC6915	E156995.D	10/13/09	13:59	01:28	Initial cal 2
VE6915-IC6915	E156996.D	10/13/09	14:29	01:58	Initial cal 5
VE6915-IC6915	E156997.D	10/13/09	14:59	02:28	Initial cal 20
VE6915-ICC6915	E156998.D	10/13/09	16:00	03:29	Initial cal 50
VE6915-IC6915	E156999.D	10/13/09	16:30	03:59	Initial cal 100
VE6915-IC6915	E157000.D	10/13/09	17:00	04:29	Initial cal 200
VE6915-ICV6915	E157002.D	10/13/09	17:59	05:28	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VE6938-BFB
Lab File ID: E157477.D
Instrument ID: GCMSE
Injection Date: 10/26/09
Injection Time: 20:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14933	16.5		Pass
75	30.0 - 60.0% of mass 95	40795	45.2		Pass
95	Base peak, 100% relative abundance	90323	100.0		Pass
96	5.0 - 9.0% of mass 95	6146	6.8		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	86637	95.9		Pass
175	5.0 - 9.0% of mass 174	6478	7.2	(7.5) [a]	Pass
176	95.0 - 101.0% of mass 174	84507	93.6	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5529	6.1	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VE6938-CC6915	E157478.D	10/26/09	20:46	00:29	Continuing cal 50
VE6938-MB1	E157480.D	10/26/09	21:46	01:29	Method Blank
VE6938-BS	E157481.D	10/26/09	22:15	01:58	Blank Spike
JA30995-16MS	E157482.D	10/26/09	22:45	02:28	Matrix Spike
JA30995-16MSD	E157483.D	10/26/09	23:15	02:58	Matrix Spike Duplicate
JA30995-16	E157485.D	10/27/09	00:14	03:57	SB-3:10-15'
JA30995-9	E157486.D	10/27/09	00:44	04:27	SB-8:10-15
JA30995-13	E157488.D	10/27/09	01:44	05:27	SB-2:5-7'
JA30995-14	E157489.D	10/27/09	02:13	05:56	SB-2:0-5'
ZZZZZZ	E157490.D	10/27/09	02:43	06:26	(unrelated sample)
ZZZZZZ	E157492.D	10/27/09	03:43	07:26	(unrelated sample)
ZZZZZZ	E157493.D	10/27/09	04:13	07:56	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VG5931-BFB
Lab File ID: G124708.D
Instrument ID: GCMSG
Injection Date: 11/03/09
Injection Time: 09:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7247	24.9		Pass
75	30.0 - 60.0% of mass 95	15732	54.0		Pass
95	Base peak, 100% relative abundance	29140	100.0		Pass
96	5.0 - 9.0% of mass 95	2230	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	23410	80.3		Pass
175	5.0 - 9.0% of mass 174	1864	6.4	(8.0) [a]	Pass
176	95.0 - 101.0% of mass 174	22986	78.9	(98.2) [a]	Pass
177	5.0 - 9.0% of mass 176	1660	5.7	(7.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VG5931-IC5931	G124710.D	11/03/09	10:48	01:24	Initial cal 10
VG5931-IC5931	G124711.D	11/03/09	11:33	02:09	Initial cal 5
VG5931-IC5931	G124713.D	11/03/09	12:54	03:30	Initial cal 0.5
VG5931-IC5931	G124714.D	11/03/09	13:36	04:12	Initial cal 20
VG5931-ICC5931	G124715.D	11/03/09	14:17	04:53	Initial cal 50
VG5931-IC5931	G124716.D	11/03/09	14:58	05:34	Initial cal 100
VG5931-IC5931	G124717.D	11/03/09	15:37	06:13	Initial cal 200
VG5931-IC5931	G124720.D	11/03/09	17:52	08:28	Initial cal 1
VG5931-IC5931	G124721.D	11/03/09	18:29	09:05	Initial cal 2
VG5931-ICV5931	G124722.D	11/03/09	19:08	09:44	Initial cal verification 50
VG5931-CC5931	G124724.D	11/03/09	21:04	11:40	Continuing cal 50
VG5931-MB1	G124726.D	11/03/09	22:19	12:55	Method Blank
VG5931-BS	G124727.D	11/03/09	22:56	13:32	Blank Spike
JA30995-18	G124728.D	11/03/09	23:33	14:09	SB-9:15-20'
JA30995-18MS	G124729.D	11/04/09	00:11	14:47	Matrix Spike
JA30995-18MSD	G124730.D	11/04/09	00:48	15:24	Matrix Spike Duplicate
JA30995-4	G124731.D	11/04/09	01:26	16:02	SB-5:15-20'
ZZZZZZ	G124732.D	11/04/09	02:03	16:39	(unrelated sample)
ZZZZZZ	G124733.D	11/04/09	02:41	17:17	(unrelated sample)
ZZZZZZ	G124734.D	11/04/09	03:18	17:54	(unrelated sample)
ZZZZZZ	G124735.D	11/04/09	03:55	18:31	(unrelated sample)
ZZZZZZ	G124736.D	11/04/09	04:33	19:09	(unrelated sample)
ZZZZZZ	G124737.D	11/04/09	05:10	19:46	(unrelated sample)
ZZZZZZ	G124738.D	11/04/09	05:48	20:24	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VG5931-BFB
Lab File ID: G124708.D
Instrument ID: GCMSG
Injection Date: 11/03/09
Injection Time: 09:24

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	G124739.D	11/04/09	06:25	21:01	(unrelated sample)
ZZZZZZ	G124740.D	11/04/09	07:03	21:39	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VX4069-BFB
Lab File ID: X96956.D
Instrument ID: GCMSX
Injection Date: 10/20/09
Injection Time: 09:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	15500	15.2		Pass
75	30.0 - 60.0% of mass 95	45050	44.3		Pass
95	Base peak, 100% relative abundance	101640	100.0		Pass
96	5.0 - 9.0% of mass 95	7065	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	102002	100.4		Pass
175	5.0 - 9.0% of mass 174	7766	7.6	(7.6) [a]	Pass
176	95.0 - 101.0% of mass 174	100488	98.9	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	6772	6.7	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VX4069-IC4069	X96958.D	10/20/09	10:42	01:10	Initial cal 2
VX4069-IC4069	X96959.D	10/20/09	11:12	01:40	Initial cal 1
VX4069-IC4069	X96960.D	10/20/09	11:46	02:14	Initial cal 5
VX4069-IC4069	X96961.D	10/20/09	12:30	02:58	Initial cal 10
VX4069-IC4069	X96962.D	10/20/09	13:00	03:28	Initial cal 20
VX4069-ICC4069	X96963.D	10/20/09	13:30	03:58	Initial cal 50
VX4069-IC4069	X96964.D	10/20/09	13:59	04:27	Initial cal 100
VX4069-IC4069	X96965.D	10/20/09	14:28	04:56	Initial cal 200

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VX4077-BFB
Lab File ID: X97116.D
Instrument ID: GCMSX
Injection Date: 10/24/09
Injection Time: 21:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20602	15.2		Pass
75	30.0 - 60.0% of mass 95	59176	43.6		Pass
95	Base peak, 100% relative abundance	135642	100.0		Pass
96	5.0 - 9.0% of mass 95	9139	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	130346	96.1		Pass
175	5.0 - 9.0% of mass 174	10249	7.6	(7.9) [a]	Pass
176	95.0 - 101.0% of mass 174	130168	96.0	(99.9) [a]	Pass
177	5.0 - 9.0% of mass 176	9309	6.9	(7.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VX4077-CC4069	X97117.D	10/24/09	22:05	01:00	Continuing cal 20
VX4077-MB	X97119.D	10/24/09	23:05	02:00	Method Blank
VX4707-BS	X97120.D	10/24/09	23:34	02:29	Blank Spike
VX4077-BS	X97120.D	10/24/09	23:34	02:29	Blank Spike
ZZZZZZ	X97122.D	10/25/09	00:34	03:29	(unrelated sample)
ZZZZZZ	X97123.D	10/25/09	01:03	03:58	(unrelated sample)
JA30995-6	X97124.D	10/25/09	01:33	04:28	SB-6:15-20'
JA30995-8	X97125.D	10/25/09	02:02	04:57	SB-7:15-20'
JA30995-15	X97126.D	10/25/09	02:32	05:27	SB-3:5-10'
JA30995-9	X97127.D	10/25/09	03:02	05:57	SB-8:10-15
JA30994-4MS	X97129.D	10/25/09	04:02	06:57	Matrix Spike
JA30994-4MSD	X97130.D	10/25/09	04:31	07:26	Matrix Spike Duplicate
JA30994-4	X97132.D	10/25/09	05:31	08:26	(used for QC only; not part of job JA30995)
ZZZZZZ	X97133.D	10/25/09	06:00	08:55	(unrelated sample)
ZZZZZZ	X97134.D	10/25/09	06:30	09:25	(unrelated sample)
ZZZZZZ	X97135.D	10/25/09	06:59	09:54	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VY3904-BFB
Lab File ID: Y92863.D
Instrument ID: GCMSY
Injection Date: 10/13/09
Injection Time: 09:14

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	7537	16.2		Pass
75	30.0 - 60.0% of mass 95	20714	44.6		Pass
95	Base peak, 100% relative abundance	46458	100.0		Pass
96	5.0 - 9.0% of mass 95	3223	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	45394	97.7		Pass
175	5.0 - 9.0% of mass 174	3307	7.1	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	44152	95.0	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	3180	6.8	(7.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY3904-IC3904	Y92864.D	10/13/09	10:01	00:47	Initial cal 20
VY3904-IC3904	Y92866.D	10/13/09	11:02	01:48	Initial cal 5
VY3904-IC3904	Y92867.D	10/13/09	11:33	02:19	Initial cal 2
VY3904-IC3904	Y92868.D	10/13/09	12:03	02:49	Initial cal 1
VY3904-ICC3904	Y92869.D	10/13/09	12:34	03:20	Initial cal 50
VY3904-IC3904	Y92870.D	10/13/09	13:04	03:50	Initial cal 100
VY3904-IC3904	Y92871.D	10/13/09	13:35	04:21	Initial cal 200
VY3904-IC3904	Y92873.D	10/13/09	15:24	06:10	Initial cal 10
VY3904-ICV3904	Y92874.D	10/13/09	16:06	06:52	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VY3927-BFB
Lab File ID: Y93343.D
Instrument ID: GCMSY
Injection Date: 10/27/09
Injection Time: 09:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5353	16.9		Pass
75	30.0 - 60.0% of mass 95	14604	46.1		Pass
95	Base peak, 100% relative abundance	31645	100.0		Pass
96	5.0 - 9.0% of mass 95	2214	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	30968	97.9		Pass
175	5.0 - 9.0% of mass 174	2212	7.0	(7.1) [a]	Pass
176	95.0 - 101.0% of mass 174	29938	94.6	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	2051	6.5	(6.9) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY3927-CC3904	Y93344.D	10/27/09	09:51	00:33	Continuing cal 20
VY3927-MB	Y93346.D	10/27/09	11:01	01:43	Method Blank
VY3927-BS	Y93347A.D	10/27/09	12:02	02:44	Blank Spike
ZZZZZZ	Y93348.D	10/27/09	12:39	03:21	(unrelated sample)
ZZZZZZ	Y93350.D	10/27/09	13:40	04:22	(unrelated sample)
ZZZZZZ	Y93351.D	10/27/09	14:14	04:56	(unrelated sample)
ZZZZZZ	Y93352.D	10/27/09	14:45	05:27	(unrelated sample)
ZZZZZZ	Y93353.D	10/27/09	15:16	05:58	(unrelated sample)
ZZZZZZ	Y93354.D	10/27/09	15:47	06:29	(unrelated sample)
JA30995-11	Y93355.D	10/27/09	16:17	06:59	SB-1:5-10'
ZZZZZZ	Y93356.D	10/27/09	16:48	07:30	(unrelated sample)
JA30995-11MS	Y93357.D	10/27/09	17:50	08:32	Matrix Spike
JA30995-11MSD	Y93358.D	10/27/09	18:20	09:02	Matrix Spike Duplicate
ZZZZZZ	Y93360.D	10/27/09	19:21	10:03	(unrelated sample)
ZZZZZZ	Y93361.D	10/27/09	19:53	10:35	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VY3929-BFB
Lab File ID: Y93387.D
Instrument ID: GCMSY
Injection Date: 10/28/09
Injection Time: 09:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5719	18.0		Pass
75	30.0 - 60.0% of mass 95	14828	46.6		Pass
95	Base peak, 100% relative abundance	31805	100.0		Pass
96	5.0 - 9.0% of mass 95	2208	6.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	30490	95.9		Pass
175	5.0 - 9.0% of mass 174	2266	7.1	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	30010	94.4	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2026	6.4	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY3929-CC3904	Y93388.D	10/28/09	09:43	00:32	Continuing cal 20
VY3929-MB	Y93390.D	10/28/09	11:21	02:10	Method Blank
VY3929-BS	Y93391.D	10/28/09	11:54	02:43	Blank Spike
JA30540-3	Y93392.D	10/28/09	12:26	03:15	(used for QC only; not part of job JA30995)
JA30540-4	Y93393.D	10/28/09	12:57	03:46	(used for QC only; not part of job JA30995)
ZZZZZZ	Y93394.D	10/28/09	13:28	04:17	(unrelated sample)
ZZZZZZ	Y93396.D	10/28/09	14:29	05:18	(unrelated sample)
ZZZZZZ	Y93398.D	10/28/09	15:30	06:19	(unrelated sample)
ZZZZZZ	Y93399.D	10/28/09	16:01	06:50	(unrelated sample)
JA30995-17	Y93400.D	10/28/09	17:02	07:51	SB-9:10-15'
JA30540-4MS	Y93400A.D	10/28/09	17:33	08:22	Matrix Spike

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VY3930-BFB
Lab File ID: Y93409.D
Instrument ID: GCMSY
Injection Date: 10/29/09
Injection Time: 07:31

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	5713	15.6		Pass
75	30.0 - 60.0% of mass 95	16540	45.1		Pass
95	Base peak, 100% relative abundance	36637	100.0		Pass
96	5.0 - 9.0% of mass 95	2579	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	36672	100.1		Pass
175	5.0 - 9.0% of mass 174	2672	7.3	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	35232	96.2	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	2460	6.7	(7.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY3930-CC3904	Y93410.D	10/29/09	08:02	00:31	Continuing cal 50
VY3929-MB2	Y93412.D	10/29/09	09:14	01:43	Method Blank
JA30540-3DUP	Y93413.D	10/29/09	09:45	02:14	Duplicate
VY3930-MB	Y93414.D	10/29/09	10:16	02:45	Method Blank
VY3930-BS	Y93415.D	10/29/09	10:48	03:17	Blank Spike
ZZZZZZ	Y93416.D	10/29/09	11:24	03:53	(unrelated sample)
JA30540-10	Y93417.D	10/29/09	11:55	04:24	(used for QC only; not part of job JA30995)
ZZZZZZ	Y93418.D	10/29/09	12:26	04:55	(unrelated sample)
ZZZZZZ	Y93419.D	10/29/09	12:56	05:25	(unrelated sample)
ZZZZZZ	Y93421.D	10/29/09	14:29	06:58	(unrelated sample)
ZZZZZZ	Y93422.D	10/29/09	15:00	07:29	(unrelated sample)
JA30667-2	Y93423.D	10/29/09	15:30	07:59	(used for QC only; not part of job JA30995)
ZZZZZZ	Y93424.D	10/29/09	16:01	08:30	(unrelated sample)
ZZZZZZ	Y93425.D	10/29/09	16:31	09:00	(unrelated sample)
JA30540-10MS	Y93426.D	10/29/09	17:02	09:31	Matrix Spike
JA30667-2DUP	Y93427.D	10/29/09	17:33	10:02	Duplicate
ZZZZZZ	Y93428.D	10/29/09	18:03	10:32	(unrelated sample)
ZZZZZZ	Y93429.D	10/29/09	18:34	11:03	(unrelated sample)
ZZZZZZ	Y93430.D	10/29/09	19:04	11:33	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VY3937-BFB
Lab File ID: Y93570.D
Instrument ID: GCMSY
Injection Date: 11/02/09
Injection Time: 21:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	4585	16.8		Pass
75	30.0 - 60.0% of mass 95	13104	47.9		Pass
95	Base peak, 100% relative abundance	27370	100.0		Pass
96	5.0 - 9.0% of mass 95	1826	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	25312	92.5		Pass
175	5.0 - 9.0% of mass 174	1878	6.9	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	24317	88.8	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	1576	5.8	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY3937-CC3904	Y93571.D	11/02/09	22:11	00:31	Continuing cal 50
VY3937-MB	Y93573.D	11/02/09	23:12	01:32	Method Blank
VY3937-BS	Y93575.D	11/03/09	00:13	02:33	Blank Spike
JA31492-4MS	Y93576.D	11/03/09	00:44	03:04	Matrix Spike
JA31492-4MSD	Y93577.D	11/03/09	01:15	03:35	Matrix Spike Duplicate
JA31492-4	Y93579.D	11/03/09	02:16	04:36	(used for QC only; not part of job JA30995)
ZZZZZZ	Y93580.D	11/03/09	02:46	05:06	(unrelated sample)
ZZZZZZ	Y93581.D	11/03/09	03:17	05:37	(unrelated sample)
ZZZZZZ	Y93582.D	11/03/09	03:48	06:08	(unrelated sample)
ZZZZZZ	Y93583.D	11/03/09	04:18	06:38	(unrelated sample)
JA30995-12	Y93584.D	11/03/09	04:48	07:08	SB-1:15-20'
ZZZZZZ	Y93585.D	11/03/09	05:50	08:10	(unrelated sample)
ZZZZZZ	Y93586.D	11/03/09	06:20	08:40	(unrelated sample)
ZZZZZZ	Y93587.D	11/03/09	06:51	09:11	(unrelated sample)
ZZZZZZ	Y93588.D	11/03/09	07:21	09:41	(unrelated sample)
ZZZZZZ	Y93589.D	11/03/09	07:52	10:12	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA30995-1	A152869.D	87.0	86.0	93.0	91.0
JA30995-1	A152695.D	88.0	105.0	91.0	80.0
JA30995-2	A152870.D	89.0	89.0	94.0	89.0
JA30995-2	A152696.D	86.0	90.0	95.0	86.0
JA30995-3	A152871.D	86.0	87.0	94.0	85.0
JA30995-3	A152697.D	86.0	91.0	92.0	85.0
JA30995-4	G124731.D	103.0	104.0	99.0	128.0
JA30995-5	A152872.D	87.0	93.0	89.0	79.0
JA30995-5	A152699.D	91.0	109.0	90.0	54.0*
JA30995-6	X97124.D	95.0	98.0	102.0	94.0
JA30995-7	A152694.D	85.0	86.0	92.0	83.0
JA30995-8	X97125.D	93.0	96.0	101.0	95.0
JA30995-9	X97127.D	96.0	103.0	111.0	96.0
JA30995-9	E157486.D	85.0	82.0	84.0	82.0
JA30995-10	3C56233.D	113.0	107.0	116.0	106.0
JA30995-11	Y93355.D	96.0	85.0	88.0	75.0
JA30995-12	Y93584.D	95.0	107.0	93.0	81.0
JA30995-13	E157488.D	84.0	82.0	84.0	84.0
JA30995-14	E157489.D	84.0	82.0	83.0	83.0
JA30995-15	X97126.D	94.0	98.0	106.0	96.0
JA30995-16	E157485.D	84.0	83.0	84.0	82.0
JA30995-17	D161317.D	88.0	91.0	92.0	107.0
JA30995-17	D161459.D	92.0	108.0	92.0	92.0
JA30995-17	Y93400.D	97.0	103.0	95.0	140.0* [a]
JA30995-18	G124728.D	106.0	109.0	101.0	114.0
JA30540-3DUP	Y93413.D	97.0	87.0	88.0	77.0
JA30540-4MS	Y93400A.D	94.0	93.0	93.0	88.0
JA30994-4MS	X97129.D	93.0	86.0	103.0	97.0
JA30994-4MSD	X97130.D	93.0	85.0	103.0	96.0
JA30995-11MS	Y93357.D	93.0	86.0	98.0	85.0
JA30995-11MSD	Y93358.D	92.0	83.0	97.0	84.0
JA30995-16MS	E157482.D	87.0	81.0	86.0	83.0
JA30995-16MSD	E157483.D	88.0	82.0	85.0	82.0
JA30995-18MS	G124729.D	110.0	116.0	104.0	113.0
JA30995-18MSD	G124730.D	107.0	109.0	104.0	113.0
JA30995-7MS	A152691.D	91.0	88.0	95.0	84.0
JA30995-7MSD	A152692.D	89.0	87.0	94.0	83.0
JA31054-2RMS	A152864.D	90.0	87.0	96.0	86.0
JA31054-2RMSD	A152865.D	90.0	88.0	95.0	85.0
JA31184-12MS	D161303.D	89.0	89.0	99.0	108.0

Volatile Surrogate Recovery Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA31184-12MSD	D161304.D	88.0	88.0	100.0	107.0
JA31205-6MS	3C56215.D	111.0	94.0	119.0	103.0
JA31205-6MSD	3C56216.D	110.0	93.0	120.0	104.0
JA31316-4MS	D161446.D	92.0	105.0	92.0	90.0
JA31316-4MSD	D161447.D	92.0	104.0	93.0	89.0
JA31492-4MS	Y93576.D	94.0	99.0	96.0	86.0
JA31492-4MSD	Y93577.D	94.0	98.0	96.0	86.0
V3C2465-BS	3C56212.D	112.0	96.0	119.0	105.0
V3C2465-MB2	3C56232.D	115.0	106.0	113.0	109.0
VA5521-BS	A152690.D	91.0	89.0	93.0	86.0
VA5521-MB1	A152689.D	90.0	90.0	92.0	86.0
VA5529-BS	A152863.D	89.0	87.0	94.0	90.0
VA5529-MB1	A152862.D	89.0	89.0	97.0	93.0
VD6489-BS	D161301.D	91.0	92.0	92.0	88.0
VD6489-MB1	D161300.D	91.0	94.0	92.0	90.0
VD6495-BS	D161445.D	92.0	108.0	92.0	91.0
VD6495-MB1	D161444.D	91.0	107.0	91.0	92.0
VE6938-BS	E157481.D	86.0	81.0	85.0	83.0
VE6938-MB1	E157480.D	86.0	83.0	83.0	84.0
VG5931-BS	G124727.D	110.0	113.0	103.0	113.0
VG5931-MB1	G124726.D	107.0	111.0	100.0	114.0
VX4077-BS	X97120.D	96.0	93.0	100.0	96.0
VX4077-MB	X97119.D	87.0	87.0	103.0	92.0
VY3927-BS	Y93347A.D	102.0	101.0	97.0	85.0
VY3927-MB	Y93346.D	103.0	96.0	89.0	74.0
VY3929-BS	Y93391.D	108.0	111.0	100.0	86.0
VY3929-MB	Y93390.D	97.0	92.0	87.0	73.0
VY3937-BS	Y93575.D	102.0	112.0	98.0	87.0
VY3937-MB	Y93573.D	99.0	103.0	85.0	76.0
V3C2465-MB1	3C56211.D	102.0	86.0	115.0	105.0
VY3929-MB2	Y93412.D	92.0	81.0	89.0	75.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	67-127%
S2 = 1,2-Dichloroethane-D4	65-132%
S3 = Toluene-D8	74-129%
S4 = 4-Bromofluorobenzene	62-138%

Volatile Surrogate Recovery Summary

Job Number: JA30995
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Method: SW846 8260B **Matrix:** SO

Samples and QC shown here apply to the above method

Surrogate Compounds	Recovery Limits

(a) Outside control limits due to matrix interference.

Tyree Environmental Corp.
Latham
1 Northway Lane, Latham, NY 12110 Fax: 518-786-7351 Phone: 518-786-3200

October 8, 2009

Mr. Steve Sangersland
New York State Department of Environmental Conservation
Region 2 Office
1 Hunters Point Plaza
Long Island City, NY 11101

Re: UST Closure Report
Getty Station #58014
5510 Broadway, Bronx, NY
NYSDEC Spill #0904799

Dear Mr. Sangersland:

Tyree Environmental Corporation (Tyree) is forwarding you this copy of the Underground Storage Tank (UST) Closure Report that summarizes the tank removal activities performed at the former Getty Station #58014 located at 5510 Broadway, Bronx, New York.

Thank you for your attention. If you have any further questions, please feel free to contact me at (518) 786-3200 x 219.

Thank you,
TYREE ENVIRONMENTAL CORP.

James Smith, C.P.G.

Attach: UST Closure Report

Cc: Mr. Scott Hanley – GPMI
Ms. Rui June Feng - NYSDEC
File

UNDERGROUND STORAGE TANK CLOSURE REPORT

GETTY #5014

5510 BROADWAY

BRONX, NEW YORK

OCTOBER 2009

PREPARED FOR:

GETTY PETROLEUM MARKETING, INC.

1500 HEMPSTEAD TURNPIKE

EAST MEADOW, NEW YORK 11554-1551

PREPARED BY:

TYREE ENVIRONMENTAL CORP.

1 NORTHWAY LANE

LATHAM, NEW YORK 12110

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Appendix B – Laboratory Analytical Reports

1.0 INTRODUCTION

Tyree Environmental Corp. (Tyree) was contracted by Getty Petroleum Marketing, Inc.(GPMI) to remove three (3) 4,000 gallon single wall steel underground storage tanks (USTs) encased in concrete and five (5) dispensers located at Getty Station #58014 at 5510 Broadway in Bronx, New York. Two of the 4,000 gallon USTS were used for gasoline storage and the other UST was used for diesel fuel storage. The USTs were removed as a result of a routine tank divestment. During tank removal activities, Tyree personnel were on-site to supervise tank removal operations, evaluate the condition of the tanks and product piping, screen soils using a photoionization detector (PID), and collect post excavation soil samples for laboratory analysis.

2.0 SITE DESCRIPTION

2.1 Site Location

The project site is a commercial retail gasoline facility located in the Borough of Bronx, Bronx County, New York (**Figure 1**). The property lies at an approximate elevation of 60 feet above sea level (**Figure 1**).

2.2 Local Land Uses

The project site is located in a commercial area. Commercial properties are located to the immediate north, south, east and west of the subject site. The Jerome Park reservoir is located approximately 800 yards east of the site (**Figure 1**). The site is supplied by municipal-fed water through the City of Bronx, New York.

2.3 Regional Geology

The subsurface soil underlying the site is identified on the Lower Hudson Surficial Geologic Map as Till. The Till deposits are underlain by the Middle Ordovician Manhattan pelitic schist and amphibolite Formation of the Trenton Group (Geologic Map of New York, Lower Hudson Sheet, Fisher, et al., 1970).

3.0 TANK REMOVAL ACTIVITIES

3.1 Notifications

The New York State Department of Environmental Conservation (NYSDEC) Region 2 and City of Bronx, New York were notified on July 16, 2009 of the tank removal activities prior to the start date. Local utilities including the City of Bronx Fire Department were notificd on July 16, 2009. A UFPO was called in on July 16, 2009 to notify all utility companies that may have overhead or underground utilities at the site.

3.2 Underground Storage Tank Removal Activities

The three 4,000 gallon steel USTs and associated lines were checked for residual fluids and evacuated by a vacuum-truck operated by Tyree on July 22, 2009. The tank field location is identified on **Figure 2.** UST removals activities were performed during the period of July 21-July 29, 2009. Tyree personnel continuously supervised tank removal activities and the USTs were inspected upon removal from the ground. The tank vessels appeared to be in good shape with no evidence of holes, scaling or pitting.

Following removal of the concrete slab from underneath the eneased USTs, petroleum stained soil was observed and a presumed 550 gallon ghost UST was observed. The location of the ghost tank was immediately south of the UST grave area. The ghost tank was not removed as part of the GPMI divestment but was reported to NYSDEC Region 2. Petroleum contamination was observed from underneath the conerete tank slab that supported the concrete encased USTs. The concrete encasements of the three USTs did not show any signs of failure or petroleum impact. Tyree notified the NYSDEC Spill Hotline and NYSDEC Spill # 09-04799 was assigned to the site on July 24, 2009 at 2:00 p.m. The three USTs were cleaned on site and were transported by Tyree to Gershow Recycling in Medford, NY. The Tank Disposal affidavit is attached in **Appendix A**.

3.3 Soil Field Screening and Soil Sample Collection

Soils were screened with a photoionization detector (PID) as described above and observed for staining and petroleum impact. Post-excavation soil samples were collected from the sidewalls and floor of the tank excavation in accordance with DER-10 Section 5.5 (b)(iv). The PID measures the qualitative concentrations of volatile organic compounds (VOCs) in soil. PID readings from the UST area following petroleum soil excavation were recorded at 0.0 parts per million (ppm) on each of the four sidewalls and on the floor of the tank excavation. No petroleum contaminated soil was dug out from the excavation. A total of eleven (11) post excavation soil samples were collected from the tank excavation bottom and sidewalls. Four (4) post excavation samples were collected from the pump islands and sent in for laboratory analysis of VOCs and SVOCs by EPA Methods 8260 and 8270, respectively. Post excavation soil samples were submitted for laboratory analysis using EPA Methods 8260 and 8270. Soil sample locations are shown on **Figure 2**. Soil analytical results are summarized in **Tables 1 and 2** and are included as **Appendix B.**

4.0 SOIL LABORATORY ANALYTICAL DATA

4.1 Soil Analytical Results

The soil samples were submitted to Environmental Testing Laboratories of Farmingdale, New York for analysis using EPA Methods 8260 and 8270. Three VOCs from "North Dispenser" soil sample and one (1) VOC from the "North Tank Bottom" soil sample were reported at concentrations that exceed NYSDEC TAGM #4046 RSCOs. All other VOCs were reported below NYSDEC TAGM #4046 RSCOs.

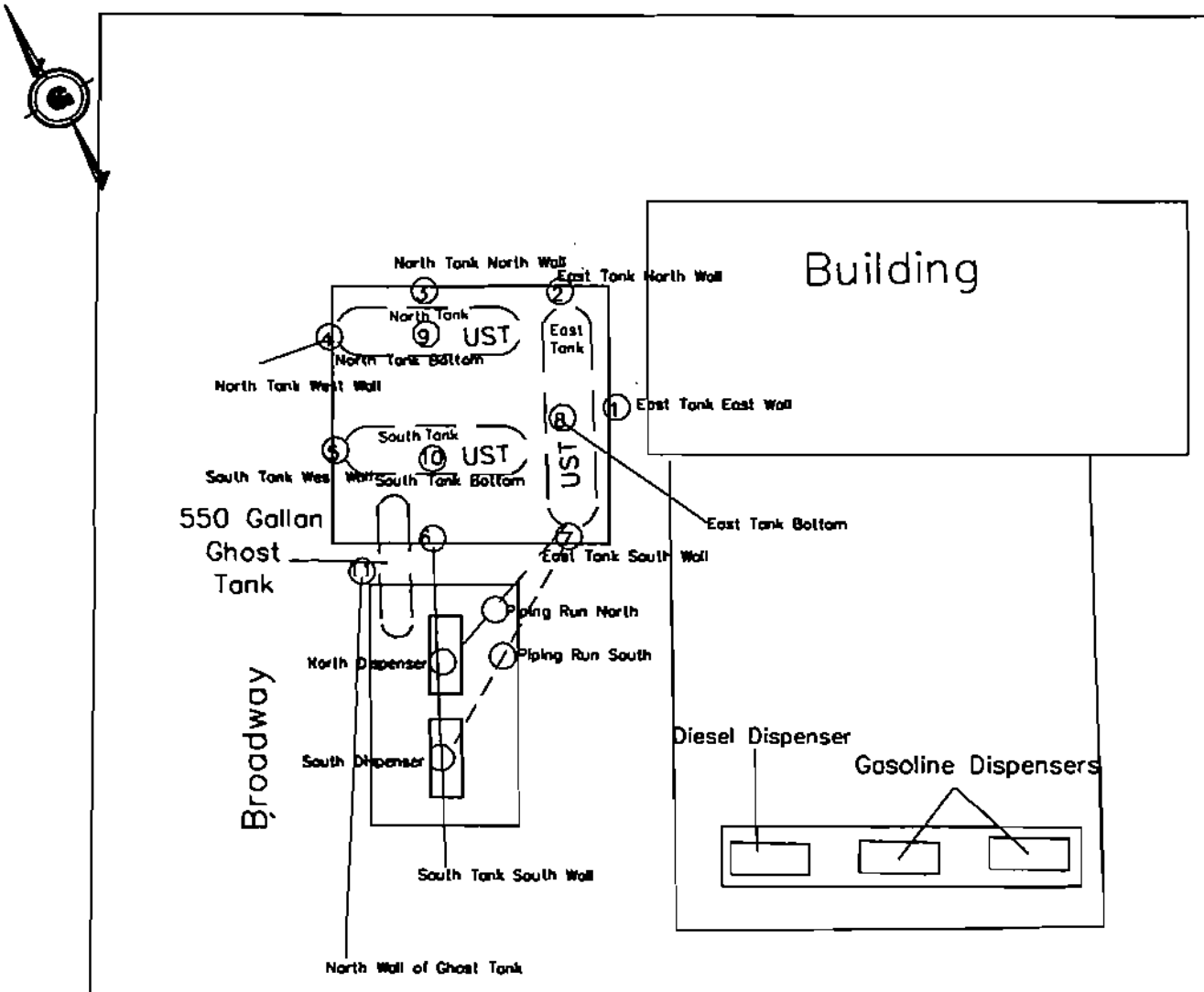
Sixteen (16) SVOCs in post excavation soil samples were reported at concentrations that exceed NYSDEC TAGM #4046 RSCOs. All other SVOCs were reported below NYSDEC TAGM #4046 RSCOs. The complete laboratory analytical reports are presented in **Appendix B.** A

summary of the laboratory analytical results from the tank exeavation and dispenser area are presented in **Tables 1 and 2.**

5.0 LIMITATIONS

This UST Closure Report was prepared for Getty Petroleum Marketing, Inc. The results provided by The Tyree Company in this Tank Closure Report are based solely on the information reported in this document. Future investigative site information which was not available to The Tyree Environmental Corporation at the time of this Tank Closure may result in a modifieation of the conclusions stated above. The eonelusions presented are based upon the eurrent regulatory elimate and may require revision if future regulatory changes occur. This investigation and report has been conducted in accordance with generally accepted hydrologic practices. No warranty, expressed or implicd, is made.

FIGURES



WEST 230TH STREET

Legend

④ Post Ex Soil Sample Location

TYREE ENVIRONMENTAL CORP.

SITE PLAN AND POST EX SOIL SAMPLE LOCATIONS

SITE: GETTY STATION #58014		SCALE:
LOCATION: 5510 Broadway		NONE
Bronx, NY		PLATE:
CLIENT: GETTY PETROLEUM MKTG.		FIGURE 2
DRW BY: KM/JS	DATE: 8/09	

TABLES

Table 1
Soil Sample VOC Analytical Results
Tank Field
Getty Station #58014, 5315 Broadway Ave., Bronx, NY
EPA Method 8260

Contaminant	Soil Sample Locations												NYSDEC Recommended Soil Cleanup Objectives
	11/1/2005		11/22/2005	11/28/2005		12/7/2005			1/23/2006				
	South Tank South Wall	Closet Tank Northwest	South Tank West Wall	North Tank West Wall	North Tank North Wall	North Tank Bottom	East Tank Bottom	South Tank Bottom	Piping Run North	Piping Run South	South Dispenser	North Dispenser	
Benzene	BDL	BDL	BDL	BDL	BDL	1.630	2.03	3.35	BDL	BDL	1.4	**390**	60
Toluene	BDL	BDL	BDL	BDL	BDL	1.15	81.7	93	0.74	BDL	6.4	**14,800**	1500
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	126	108	130	BDL	BDL	BDL	**3,970**	5500
total-xylene	BDL	BDL	BDL	BDL	BDL	518	660	927	3.1	BDL	5.3	**27,470**	1200
total-BTEX	-	-	-	-	-	1000.33	837.73	1153.35	3.84	-	16.1	**46,630**	NA
Acetone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.5	100	200
Isopropylbenzene	BDL	BDL	BDL	BDL	BDL	13.15	12.6	17.9	BDL	BDL	1.5	110	5000
n-Propylbenzene	BDL	BDL	BDL	BDL	BDL	55.60	54.3	72.7	BDL	BDL	BDL	300	10000
1,2,4-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	442	404	566	3.5	0.0013	32	5,540	10000
1,2,4,5-Tetramethylbenzene	BDL	0.76	0.76	BDL	BDL	38.70	41.9	55.5	1.3	BDL	26	30	NA
1,3,5-Trimethylbenzene	BDL	BDL	BDL	BDL	BDL	124	117	156	1.4	BDL	34	500	3310
2-Butanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	NA
n-Butylbenzene	BDL	BDL	BDL	BDL	BDL	28.60	39.5	4.75	BDL	BDL	23	28	10000
sec-Butylbenzene	19	BDL	BDL	BDL	BDL	5.67	7.25	0.00354	BDL	BDL	107	15	10000
tert-Butylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10000
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3,710	BDL	300
p-Ethyltoluene	BDL	BDL	BDL	BDL	BDL	336	316	39	7.6	0.71	39	6,700	NA
p-Diethylbenzene	BDL	BDL	BDL	BDL	BDL	129	124	156	BDL	BDL	BDL	120	NA
4-Isopropyltoluene	5.43	BDL	BDL	BDL	BDL	11.60	12.6	16.4	BDL	BDL	43	6	10000
Naphthalene	BDL	BDL	BDL	BDL	BDL	38.900	54.4	70.5	2.3	1.2	BDL	31	13000
Methyl-t-butyl ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	72	120

Contaminant	Soil Sample Locations			NYSDEC NYSDEC Recommended Soil Cleanup Objectives
	11/22/2005			
	East Tank East Wall	East Tank North Wall	East Tank South Wall	
Benzene	BDL	BDL	BDL	60
Toluene	BDL	3.60	67.0	1500
Ethylbenzene	BDL	3.10	80.0	5500
total-xylene	BDL	131	590	1200
total-BTEX	BDL	BDL	BDL	NA
Acetone	BDL	BDL	42.0	200
Isopropylbenzene	BDL	1.60	16.0	5000
n-Propylbenzene	BDL	4.10	92.0	10000
1,2,4-Trimethylbenzene	BDL	11	1160	10000
1,2,4,5-Tetramethylbenzene	0.59	79	160	NA
1,3,5-Trimethylbenzene	BDL	720	BDL	3310
2-Butanone	BDL	BDL	16.0	NA
n-Butylbenzene	BDL	28.0	92.0	10000
sec-Butylbenzene	BDL	5.70	79.9	10000
tert-Butylbenzene	BDL	BDL	BDL	10000
Bromodichloromethane	BDL	BDL	BDL	NA
Chloroform	BDL	BDL	BDL	300
p-Ethyltoluene	BDL	83.0	600	NA
p-Diethylbenzene	BDL	BDL	490	NA
4-Isopropyltoluene	BDL	4.50	12.0	10000
Naphthalene	BDL	11.9	300	13000
Methyl-t-butyl ether	BDL	BDL	BDL	120

Notes
1.) All results reported as parts per billion (ppb)
2.) Analysis performed in accordance with USEPA Method 8260
3.) BDL - Below Detection Level
4.) DEC Recommended Soil Cleanup Objective from TAGM 4046
5.) Bold numerals exceed recommended soil cleanup objective values
6.) NA = No Standard Available

Table 1
Soil Sample SVOC Analytical Results
Getty Station #58014, 5519 Broadway Ave., Bronx, NY
EPA Method 8270

Contaminant	Soil Sample Locations												NYSDEC Recommended Soil Cleanup Objectives
	7/21/2004		7/21/2004	7/21/2004	7/21/2004				7/21/2004				
	South Tank Northwall	Ghost Tank Northwall	South Tank West Wall	North Tank West Wall	North Tank Bottom	East Tank Bottom	South Tank Bottom	North Tank North Wall	Piping Run North	Piping Run South	South Dispenser	North Dispenser	
Naphthalene	BDL	BDL	BDL	BDL	22,300	40,300	37,800	BDL	BDL	BDL	BDL	1,430	13000
Anthracene	38.0	BDL	BDL	BDL	55.5	89.7	75.7	BDL	BDL	BDL	BDL	180	50000
Acenaphthene	BDL	BDL	BDL	BDL	660	165	192	BDL	BDL	BDL	BDL	BDL	50000
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	120	50000
Benzo(a)anthracene	97.0	BDL	BDL	BDL	BDL	97.6	BDL	BDL	58.3	64.6	BDL	473	224
Benzo(b)fluoranthene	78.0	BDL	50.7	BDL	BDL	BDL	BDL	BDL	56.8	55.5	BDL	690	1100
Benzo(k)fluoranthene	76.0	BDL	61.8	BDL	BDL	66.1	BDL	BDL	BDL	53.1	BDL	702	1100
Benzo(a)pyrene	100	BDL	203	BDL	BDL	BDL	BDL	BDL	757	755	759	964	50000
Chrysene	120	BDL	103	BDL	BDL	78.4	BDL	BDL	84.0	85.9	BDL	873	61
Butylbenzylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	839	50000
Bis(2-Ethylhexyl)phthalate	160	BDL	106	BDL	BDL	BDL	BDL	BDL	443	322	974	740	50000
Chrysene	87.0	BDL	70.0	BDL	BDL	140	BDL	BDL	67.0	76.7	741	338	400
Cresols	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Dibenzo(a,h)anthracene	58.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	310	306	BDL	187	14
Dibenzofuran	BDL	BDL	BDL	BDL	BDL	705	703	BDL	BDL	BDL	BDL	BDL	6200
Diethylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	305	597	50000
Diphenylnitrosamine	BDL	BDL	BDL	BDL	58.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7900
Fluoranthene	130	BDL	67.7	BDL	BDL	170	43.3	BDL	112	97.1	BDL	1,035	50000
Fluorene	BDL	BDL	BDL	BDL	0.135	479	197	BDL	BDL	BDL	BDL	BDL	50000
Indeno(1,2,3-cd)pyrene	140	BDL	84.7	BDL	BDL	BDL	BDL	BDL	304	309	BDL	681	3200
2-Methylnaphthalene	BDL	BDL	BDL	BDL	15,400	30,800	29,900	BDL	BDL	BDL	BDL	660	36400
2-Methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
3&4-Methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA
Phenanthrene	BDL	BDL	BDL	BDL	BDL	410	245	174	61.2	BDL	BDL	407	50000
Phenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	30
Pyrene	BDL	BDL	113	BDL	56.6	181	91.8	BDL	97.5	91.5	1,160	1,010	50000

Contaminant	7/24/2004			NYSDEC Recommended Soil Cleanup Objectives
	East Tank East Wall	East Tank North Wall	East Tank South Wall	
Naphthalene	BDL	760	490	13000
Anthracene	BDL	BDL	BDL	50000
Acenaphthene	BDL	BDL	BDL	50000
Acenaphthylene	BDL	BDL	BDL	50000
Benzo(a)anthracene	210	54	BDL	224
Benzo(b)fluoranthene	170	70	BDL	1100
Benzo(k)fluoranthene	200	50	BDL	1100
Benzo(a)pyrene	130	BDL	BDL	50000
Chrysene	210	60	BDL	61
Butylbenzylphthalate	BDL	BDL	BDL	50000
Bis(2-Ethylhexyl)phthalate	BDL	BDL	BDL	50000
Chrysene	200	60	BDL	400
Cresols	BDL	BDL	200	NA
Dibenzo(a,h)anthracene	BDL	BDL	BDL	14
Dibenzofuran	BDL	BDL	BDL	6200
Diethylphthalate	BDL	BDL	BDL	50000
Diphenylnitrosamine	BDL	BDL	BDL	NA
1,2-Dichlorobenzene	BDL	BDL	BDL	7900
Fluoranthene	340	79	BDL	50000
Fluorene	BDL	BDL	BDL	50000
Indeno(1,2,3-cd)pyrene	110	BDL	BDL	3200
2-Methylnaphthalene	BDL	250	390	36400
2-Methylphenol	BDL	BDL	130	100
3&4-Methylphenol	BDL	BDL	76	NA
Phenanthrene	56	BDL	BDL	50000
Phenol	BDL	BDL	118	30
Pyrene	320	74	BDL	50000

1) All results reported as parts per billion (ppb)
2) Analysis performed in accordance with US EPA Method 8270
3) BDL - Below Detection Level
4) DEC Recommended Soil Cleanup Objective from TAGM 4046
5) Bold numerals exceed recommended soil cleanup objective values
6) NA = No Standard Available

APPENDIX A

TANK DISPOSAL AFFADAVITS

The Tyree Organization, LTD
1 Northway Lane, Latham, NY 12110 • fax 518-786-7351 • phone 518-786-3200

TANK DISPOSAL CERTIFICATION

This is to certify that *Tyree Organization, LTD* has cleaned and rendered free of petroleum residue the following tank(s) from Getty # 58014 (Site) at 5510 Broadway, Bronx, NY (Address):

1. 4,000 steel gallon tank
2. 4,000 steel gallon tank
3. 4,000 steel gallon tank
4. _____ gallon tank

The tank(s) are being accepted as scrap by the following

Name: —

Representing: Gershow Recycling ~~scrap yard~~ Medford, NY

On this date: 7/29/09

Tyree Organization, LTD representative: Isaiah Viervevas

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Laboratory Identifier: 0907347
Received: 07/24/2009 15:20
Sampled by: Gary Bohan
Job Number: 857851

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: Getty #58014
5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

The information contained in this report is confidential and intended only for the use of the client listed above. This report shall not be reproduced, except in full, without the written consent of Environmental Testing Laboratories, Inc. Analytical results relate to the samples AS RECEIVED BY THE LABORATORY.

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2913-9659	2.80	2.80	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2913-9659	0.60	0.60	ug/Kg	U
67-66-3	Chloroform	B2913-9659	0.64	0.64	ug/Kg	U
71-43-2	Benzene	B2913-9659	0.57	0.57	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2913-9659	0.56	0.56	ug/Kg	U
74-83-9	Bromomethane	B2913-9659	0.53	0.53	ug/Kg	U
74-87-3	Chloromethane	B2913-9659	0.54	0.54	ug/Kg	U
74-95-3	Dibromomethane	B2913-9659	0.85	0.85	ug/Kg	U
74-97-5	Bromochloromethane	B2913-9659	0.63	0.63	ug/Kg	U
75-00-3	Chloroethane	B2913-9659	0.76	0.76	ug/Kg	U
75-01-4	Vinyl Chloride	B2913-9659	0.73	0.73	ug/Kg	U
75-09-2	Methylene Chloride	B2913-9659	1.00	1.00	ug/Kg	U
75-15-0	Carbon disulfide	B2913-9659	0.51	0.51	ug/Kg	U
75-25-2	Bromoform	B2913-9659	0.52	0.52	ug/Kg	U
75-27-4	Bromodichloromethane	B2913-9659	0.51	0.51	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2913-9659	0.62	0.62	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2913-9659	0.40	0.40	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2913-9659	0.95	0.95	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2913-9659	5.80	5.80	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2913-9659	0.60	0.60	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2913-9659	0.40	0.40	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2913-9659	0.56	0.56	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2913-9659	0.64	0.64	ug/Kg	U
78-93-3	2-Butanone	B2913-9659	2.40	2.40	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2913-9659	0.68	0.68	ug/Kg	U
79-01-6	Trichloroethene	B2913-9659	0.53	0.53	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2913-9659	0.65	0.65	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2913-9659	0.52	0.52	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2913-9659	0.52	0.52	ug/Kg	U
91-20-3	Naphthalene	B2913-9659	0.49	0.49	ug/Kg	U
95-47-6	o-xylene	B2913-9659	0.42	0.42	ug/Kg	U
95-49-8	2-Chlorotoluene	B2913-9659	0.57	0.57	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2913-9659	0.51	0.51	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2913-9659	0.40	0.40	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2913-9659	0.43	0.43	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2913-9659	0.50	0.50	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2913-9659	0.77	0.77	ug/Kg	U
98-06-6	tert-Butylbenzene	B2913-9659	0.57	0.57	ug/Kg	U
98-82-8	Isopropylbenzene	B2913-9659	0.48	0.48	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2913-9659	0.51	0.51	ug/Kg	U
100-41-4	Ethylbenzene	B2913-9659	0.56	0.56	ug/Kg	U
100-42-5	Styrene	B2913-9659	0.46	0.46	ug/Kg	U
103-65-1	n-Propylbenzene	B2913-9659	0.50	0.50	ug/Kg	U
104-51-8	n-Butylbenzene	B2913-9659	0.52	0.52	ug/Kg	U
105-05-5	p-Diethylbenzene	B2913-9659	0.50	0.50	ug/Kg	U
106-43-4	4-Chlorotoluene	B2913-9659	0.54	0.54	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2913-9659	0.52	0.52	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2913-9659	0.64	0.64	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2913-9659	0.63	0.63	ug/Kg	U
107-13-1	Acrylonitrile	B2913-9659	7.50	7.50	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2913-9659	2.30	2.30	ug/Kg	U
108-38-3	m,p-xylene	B2913-9659	0.97	0.97	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2913-9659	0.48	0.48	ug/Kg	U
108-86-1	Bromobenzene	B2913-9659	0.55	0.55	ug/Kg	U
108-88-3	Toluene	B2913-9659	0.52	0.52	ug/Kg	U
108-90-7	Chlorobenzene	B2913-9659	0.66	0.66	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2913-9659	0.69	0.69	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2913-9659	0.37	0.37	ug/Kg	U
124-48-1	Dibromochloromethane	B2913-9659	0.50	0.50	ug/Kg	U
127-18-4	Tetrachloroethene	B2913-9659	0.49	0.49	ug/Kg	U
135-98-8	sec-Butylbenzene	B2913-9659	0.49	0.49	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2913-9659	0.56	0.56	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2913-9659	0.49	0.49	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2913-9659	0.50	0.50	ug/Kg	U

Environmental Testing Laboratories, Inc.
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07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2913-9659	0.57	0.57	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2913-9659	0.57	0.57	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2913-9659	0.64	0.64	ug/Kg	U
591-78-6	2-Hexanone	B2913-9659	2.10	2.10	ug/Kg	U
622-96-8	p-Ethyltoluene	B2913-9659	0.45	0.45	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2913-9659	0.50	0.50	ug/Kg	U
994-05-8	TAME	B2913-9659	0.68	0.68	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2913-9659	0.56	0.56	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2913-9659	0.55	0.55	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2913-9659	0.45	0.45	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2913-9659	113.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2913-9659	95.4 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2913-9659	124.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2913-9659	111.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2913-9660	3.00	3.00	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2913-9660	0.64	0.64	ug/Kg	U
67-66-3	Chloroform	B2913-9660	0.68	0.68	ug/Kg	U
71-43-2	Benzene	B2913-9660	0.61	0.61	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2913-9660	0.60	0.60	ug/Kg	U
74-83-9	Bromomethane	B2913-9660	0.56	0.56	ug/Kg	U
74-87-3	Chloromethane	B2913-9660	0.58	0.58	ug/Kg	U
74-95-3	Dibromomethane	B2913-9660	0.91	0.91	ug/Kg	U
74-97-5	Bromochloromethane	B2913-9660	0.67	0.67	ug/Kg	U
75-00-3	Chloroethane	B2913-9660	0.81	0.81	ug/Kg	U
75-01-4	Vinyl Chloride	B2913-9660	0.78	0.78	ug/Kg	U
75-09-2	Methylene Chloride	B2913-9660	1.10	1.10	ug/Kg	U
75-15-0	Carbon disulfide	B2913-9660	0.54	0.54	ug/Kg	U
75-25-2	Bromoform	B2913-9660	0.55	0.55	ug/Kg	U
75-27-4	Bromodichloromethane	B2913-9660	0.54	0.54	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2913-9660	0.66	0.66	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2913-9660	0.43	0.43	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2913-9660	1.00	1.00	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2913-9660	6.20	6.20	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2913-9660	0.64	0.64	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2913-9660	0.43	0.43	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2913-9660	0.60	0.60	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2913-9660	0.68	0.68	ug/Kg	U
78-93-3	2-Butanone	B2913-9660	2.60	2.60	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2913-9660	0.72	0.72	ug/Kg	U
79-01-6	Trichloroethene	B2913-9660	0.56	0.56	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2913-9660	0.69	0.69	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2913-9660	0.55	0.55	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2913-9660	0.55	0.55	ug/Kg	U
91-20-3	Naphthalene	B2913-9660	0.52	0.52	ug/Kg	U
95-47-6	o-xylene	B2913-9660	0.45	0.45	ug/Kg	U
95-49-8	2-Chlorotoluene	B2913-9660	0.61	0.61	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2913-9660	0.54	0.54	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2913-9660	0.43	0.43	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2913-9660	0.46	0.46	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2913-9660	0.53	0.53	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2913-9660	0.82	0.82	ug/Kg	U
98-06-6	tert-Butylbenzene	B2913-9660	0.61	0.61	ug/Kg	U
98-82-8	Isopropylbenzene	B2913-9660	0.51	0.51	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2913-9660	0.54	0.54	ug/Kg	U
100-41-4	Ethylbenzene	B2913-9660	0.60	0.60	ug/Kg	U
100-42-5	Styrene	B2913-9660	0.49	0.49	ug/Kg	U
103-65-1	n-Propylbenzene	B2913-9660	0.53	0.53	ug/Kg	U
104-51-8	n-Butylbenzene	B2913-9660	0.55	0.55	ug/Kg	U
105-05-5	p-Diethylbenzene	B2913-9660	0.53	0.53	ug/Kg	U
106-43-4	4-Chlorotoluene	B2913-9660	0.58	0.58	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2913-9660	0.55	0.55	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2913-9660	0.68	0.68	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2913-9660	0.67	0.67	ug/Kg	U
107-13-1	Acrylonitrile	B2913-9660	8.00	8.00	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2913-9660	2.50	2.50	ug/Kg	U
108-38-3	m,p-xylene	B2913-9660	1.00	1.00	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2913-9660	0.51	0.51	ug/Kg	U
108-86-1	Bromobenzene	B2913-9660	0.59	0.59	ug/Kg	U
108-88-3	Toluene	B2913-9660	0.55	0.55	ug/Kg	U
108-90-7	Chlorobenzene	B2913-9660	0.70	0.70	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2913-9660	0.74	0.74	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2913-9660	0.39	0.39	ug/Kg	U
124-48-1	Dibromochloromethane	B2913-9660	0.53	0.53	ug/Kg	U
127-18-4	Tetrachloroethene	B2913-9660	0.52	0.52	ug/Kg	U
135-98-8	sec-Butylbenzene	B2913-9660	0.52	0.52	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2913-9660	0.60	0.60	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2913-9660	0.52	0.52	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2913-9660	0.53	0.53	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2913-9660	0.61	0.61	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2913-9660	0.61	0.61	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2913-9660	0.68	0.68	ug/Kg	U
591-78-6	2-Hexanone	B2913-9660	2.30	2.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2913-9660	0.48	0.48	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2913-9660	0.53	0.53	ug/Kg	U
994-05-8	TAME	B2913-9660	0.72	0.72	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2913-9660	0.60	0.60	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2913-9660	0.59	0.59	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2913-9660	0.48	0.48	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2913-9660	111.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2913-9660	96.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2913-9660	121.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2913-9660	111.0 %	(74 - 125)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3717	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3717	47.0	47.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3717	29.0	29.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3717	46.0	46.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3717	57.0	57.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3717	72.0	72.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3717	45.0	45.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3717	33.0	33.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3717	69.0	69.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3717	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3717	880	880	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3717	47.0	47.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3717	64.0	64.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3717	40.0	40.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3717	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3717	34.0	34.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3717	59.0	59.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3717	44.0	44.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3717	55.0	55.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3717	37.0	37.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3717	72.0	72.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3717	85.0	85.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3717	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3717	50.0	50.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3717	54.0	54.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3717	46.0	46.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3717	59.0	59.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3717	50.0	50.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3717	66.0	66.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3717	35.0	35.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3717	39.0	39.0	ug/Kg	U
62-53-3	Aniline	B2529-3717	48.0	48.0	ug/Kg	U

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3717	34.0	34.0	ug/Kg	U
92-87-5	Benzidine	B2529-3717	77.0	77.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3717	54.0	54.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3717	48.0	48.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2529-3717	66.0	66.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2529-3717	54.0	54.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2529-3717	47.0	47.0	ug/Kg	U
65-85-0	Benzoic acid	B2529-3717	4960	4960	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3717	62.0	62.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3717	62.0	62.0	ug/Kg	U
86-74-8	Carbazole	B2529-3717	61.0	61.0	ug/Kg	U
218-01-9	Chrysene	B2529-3717	51.0	51.0	ug/Kg	U
	Cresols	B2529-3717	96.0	96.0	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3717	50.0	50.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3717	52.0	52.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3717	35.0	35.0	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3717	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3717	58.0	58.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3717	44.0	44.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3717	49.0	49.0	ug/Kg	U
86-73-7	Fluorene	B2529-3717	42.0	42.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3717	65.0	65.0	ug/Kg	U
87-66-3	Hexachlorobutadiene	B2529-3717	67.0	67.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3717	210	210	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3717	63.0	63.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3717	50.0	50.0	ug/Kg	U
78-59-1	Isophorone	B2529-3717	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3717	85.0	85.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3717	100	100	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3717	44.0	44.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3717	51.0	51.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3717	86.0	86.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-1
Client Sample ID: Northtank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:00
% Solid: 92.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3717	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2529-3717	52.0	52.0	ug/Kg	U
108-95-2	Phenol	B2529-3717	70.0	70.0	ug/Kg	U
129-00-0	Pyrene	B2529-3717	44.0	44.0	ug/Kg	U
110-86-1	Pyridine	B2529-3717	53.0	53.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3717	52.0	52.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3717	36.0	36.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3717	36.0	36.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3717	64.0	64.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3717	67.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3717	58.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3717	35.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3717	30.1 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3717	38.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3717	71.7 %	(18 - 137)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3718	23.0	23.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3718	50.0	50.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3718	30.0	30.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3718	49.0	49.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3718	61.0	61.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3718	77.0	77.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3718	48.0	48.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3718	35.0	35.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3718	73.0	73.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3718	46.0	46.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3718	930	930	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3718	50.0	50.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3718	68.0	68.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3718	43.0	43.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3718	34.0	34.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3718	36.0	36.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3718	62.0	62.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3718	47.0	47.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3718	59.0	59.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3718	39.0	39.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3718	76.0	76.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3718	91.0	91.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3718	120	120	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3718	53.0	53.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3718	58.0	58.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3718	49.0	49.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3718	63.0	63.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3718	53.0	53.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3718	70.0	70.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3718	38.0	38.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3718	41.0	41.0	ug/Kg	U
62-53-3	Aniline	B2529-3718	51.0	51.0	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3718	36.0	36.0	ug/Kg	U
92-87-5	Benzidine	B2529-3718	82.0	82.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3718	58.0	58.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3718	51.0	51.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2529-3718	70.0	70.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2529-3718	57.0	57.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2529-3718	50.0	50.0	ug/Kg	U
65-85-0	Benzoic acid	B2529-3718	5280	5280	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3718	66.0	66.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3718	66.0	66.0	ug/Kg	U
86-74-8	Carbazole	B2529-3718	65.0	65.0	ug/Kg	U
218-01-9	Chrysene	B2529-3718	54.0	54.0	ug/Kg	U
	Cresols	B2529-3718	100	100	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3718	53.0	53.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3718	55.0	55.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3718	37.0	37.0	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3718	35.0	35.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3718	61.0	61.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3718	47.0	47.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3718	52.0	52.0	ug/Kg	U
86-73-7	Fluorene	B2529-3718	45.0	45.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3718	69.0	69.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3718	71.0	71.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3718	220	220	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3718	67.0	67.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3718	53.0	53.0	ug/Kg	U
78-59-1	Isophorone	B2529-3718	25.0	25.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3718	90.0	90.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3718	110	110	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3718	47.0	47.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3718	55.0	55.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3718	91.0	91.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907347-2
Client Sample ID: Northtank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/23/2009 08:15
% Solid: 87%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3718	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2529-3718	56.0	56.0	ug/Kg	U
108-95-2	Phenol	B2529-3718	74.0	74.0	ug/Kg	U
129-00-0	Pyrene	B2529-3718	47.0	47.0	ug/Kg	U
110-86-1	Pyridine	B2529-3718	56.0	56.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3718	56.0	56.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3718	38.0	38.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3718	38.0	38.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3718	69.0	69.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3718	76.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3718	58.0 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3718	51.1 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3718	56.2 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3718	52.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3718	81.9 %	(18 - 137)	

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07/30/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.
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07/30/2009

Laboratory Identifier: 0907350
Received: 07/24/2009 15:35
Sampled by: Gary Bohan
Job Number: 857851

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: Getty #58014
5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2914-9666	2.80	2.80	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2914-9666	0.61	0.61	ug/Kg	U
67-66-3	Chloroform	B2914-9666	0.64	0.64	ug/Kg	U
71-43-2	Benzene	B2914-9666	0.58	0.58	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2914-9666	0.57	0.57	ug/Kg	U
74-83-9	Bromomethane	B2914-9666	0.53	0.53	ug/Kg	U
74-87-3	Chloromethane	B2914-9666	0.55	0.55	ug/Kg	U
74-95-3	Dibromomethane	B2914-9666	0.86	0.86	ug/Kg	U
74-97-5	Bromochloromethane	B2914-9666	0.63	0.63	ug/Kg	U
75-00-3	Chloroethane	B2914-9666	0.76	0.76	ug/Kg	U
75-01-4	Vinyl Chloride	B2914-9666	0.74	0.74	ug/Kg	U
75-09-2	Methylene Chloride	B2914-9666	1.00	1.00	ug/Kg	U
75-15-0	Carbon disulfide	B2914-9666	0.51	0.51	ug/Kg	U
75-25-2	Bromoform	B2914-9666	0.52	0.52	ug/Kg	U
75-27-4	Bromodichloromethane	B2914-9666	0.51	0.51	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2914-9666	0.62	0.62	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2914-9666	0.40	0.40	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2914-9666	0.96	0.96	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2914-9666	5.90	5.90	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2914-9666	0.61	0.61	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2914-9666	0.40	0.40	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2914-9666	0.57	0.57	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2914-9666	0.64	0.64	ug/Kg	U
78-93-3	2-Butanone	B2914-9666	2.40	2.40	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2914-9666	0.69	0.69	ug/Kg	U
79-01-6	Trichloroethene	B2914-9666	0.53	0.53	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2914-9666	0.65	0.65	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2914-9666	0.52	0.52	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2914-9666	0.52	0.52	ug/Kg	U
91-20-3	Naphthalene	B2914-9666	0.49	0.49	ug/Kg	U
95-47-6	o-xylene	B2914-9666	0.43	0.43	ug/Kg	U
95-49-8	2-Chlorotoluene	B2914-9666	0.58	0.58	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2914-9666	0.51	0.51	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2914-9666	0.40	0.40	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2914-9666	0.44	0.44	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2914-9666	0.50	0.50	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2914-9666	0.77	0.77	ug/Kg	U
98-06-6	tert-Butylbenzene	B2914-9666	0.58	0.58	ug/Kg	U
98-82-8	Isopropylbenzene	B2914-9666	0.48	0.48	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2914-9666	0.51	0.51	ug/Kg	U
100-41-4	Ethylbenzene	B2914-9666	0.57	0.57	ug/Kg	U
100-42-5	Styrene	B2914-9666	0.47	0.47	ug/Kg	U
103-65-1	n-Propylbenzene	B2914-9666	0.50	0.50	ug/Kg	U
104-51-8	n-Butylbenzene	B2914-9666	0.52	0.52	ug/Kg	U
105-05-5	p-Diethylbenzene	B2914-9666	0.50	0.50	ug/Kg	U
106-43-4	4-Chlorotoluene	B2914-9666	0.55	0.55	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2914-9666	0.52	0.52	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2914-9666	0.64	0.64	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2914-9666	0.63	0.63	ug/Kg	U
107-13-1	Acrylonitrile	B2914-9666	7.60	7.60	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2914-9666	2.30	2.30	ug/Kg	U
108-38-3	m,p-xylene	B2914-9666	0.98	0.98	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2914-9666	0.48	0.48	ug/Kg	U
108-86-1	Bromobenzene	B2914-9666	0.56	0.56	ug/Kg	U
108-88-3	Toluene	B2914-9666	0.52	0.52	ug/Kg	U
108-90-7	Chlorobenzene	B2914-9666	0.66	0.66	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2914-9666	0.70	0.70	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2914-9666	0.37	0.37	ug/Kg	U
124-48-1	Dibromochloromethane	B2914-9666	0.50	0.50	ug/Kg	U
127-18-4	Tetrachloroethene	B2914-9666	0.49	0.49	ug/Kg	U
135-98-8	sec-Butylbenzene	B2914-9666	0.49	0.49	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2914-9666	0.57	0.57	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2914-9666	0.49	0.49	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2914-9666	0.50	0.50	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2914-9666	0.58	0.58	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2914-9666	0.58	0.58	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2914-9666	0.64	0.64	ug/Kg	U
591-78-6	2-Hexanone	B2914-9666	2.20	2.20	ug/Kg	U
622-96-8	p-Ethyltoluene	B2914-9666	0.46	0.46	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2914-9666	0.50	0.50	ug/Kg	U
994-05-8	TAME	B2914-9666	0.69	0.69	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2914-9666	0.57	0.57	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2914-9666	0.56	0.56	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2914-9666	0.46	0.46	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2914-9666	110.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2914-9666	97.2 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2914-9666	120.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2914-9666	105.0 %	(74 - 125)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3723	22.1	22.1	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3723	47.3	47.3	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3723	28.7	28.7	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3723	46.3	46.3	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3723	57.5	57.5	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3723	72.6	72.6	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3723	45.1	45.1	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3723	33.1	33.1	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3723	68.9	68.9	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3723	43.3	43.3	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3723	883	883	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3723	47.4	47.4	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3723	64.5	64.5	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3723	40.6	40.6	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3723	32.4	32.4	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3723	33.9	33.9	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3723	59.0	59.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3723	44.6	44.6	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3723	55.5	55.5	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3723	37.1	37.1	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3723	72.2	72.2	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3723	85.9	85.9	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3723	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3723	50.1	50.1	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3723	54.4	54.4	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3723	46.4	46.4	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3723	59.6	59.6	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3723	50.4	50.4	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3723	66.0	66.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3723	35.7	35.7	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3723	39.1	39.1	ug/Kg	U
62-53-3	Aniline	B2529-3723	48.6	48.6	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3723	33.8	33.8	ug/Kg	U
92-87-5	Benzidine	B2529-3723	77.7	77.7	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3723	54.4	54.4	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3723	48.1	**103**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2529-3723	66.2	**80.7**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2529-3723	54.0	**203**	ug/Kg	J
207-08-9	Benzo(k)fluoranthene	B2529-3723	47.2	**61.6**	ug/Kg	J
65-85-0	Benzoic acid	B2529-3723	4980	4980	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3723	61.9	61.9	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3723	62.2	62.2	ug/Kg	U
86-74-8	Carbazole	B2529-3723	61.0	61.0	ug/Kg	U
218-01-9	Chrysene	B2529-3723	51.0	**70.9**	ug/Kg	J
	Cresols	B2529-3723	96.1	96.1	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3723	49.9	49.9	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3723	52.1	52.1	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3723	34.9	34.9	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3723	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3723	58.1	58.1	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3723	44.1	44.1	ug/Kg	U
206-44-0	Fluoranthene	B2529-3723	49.6	**62.2**	ug/Kg	J
86-73-7	Fluorene	B2529-3723	42.5	42.5	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3723	64.9	64.9	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3723	67.5	67.5	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3723	211	211	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3723	63.3	63.3	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3723	50.3	**84.2**	ug/Kg	J
78-59-1	Isophorone	B2529-3723	24.1	24.1	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3723	85.0	85.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3723	101	101	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3723	44.6	44.6	ug/Kg	U
91-20-3	Naphthalene	B2529-3723	51.8	51.8	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3723	86.0	86.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907350-1
Client Sample ID: South Tank Westwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/22/2009 09:30
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3723	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2529-3723	52.8	52.8	ug/Kg	U
108-95-2	Phenol	B2529-3723	70.1	70.1	ug/Kg	U
129-00-0	Pyrene	B2529-3723	44.5	113	ug/Kg	J
110-86-1	Pyridine	B2529-3723	53.1	53.1	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3723	52.6	52.6	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3723	36.4	36.4	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3723	35.8	35.8	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3723	64.7	166	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3723	90.5 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3723	65.3 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3723	59.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3723	63.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3723	59.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3723	100.0 %	(18 - 137)	

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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

September 2009

	S	M	T	W	T	F	S
35			1	2	3	4	5
36	6	7	8	9	10	11	12
37	13	14	15	16	17	18	19
38	20	21	22	23	24	25	26
39	27	28	29	30			

November 2009

	S	M	T	W	T	F	S
44	1	2	3	4	5	6	7
45	8	9	10	11	12	13	14
46	15	16	17	18	19	20	21
47	22	23	24	25	26	27	28
48	29	30					

October 2009

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
40	4	5	6	7	8	9	10
41	11	12	13	14	15	16	17
42	18	19	20	21	22	23	24
43	25	26	27	28	29	30	31

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Laboratory Identifier: 0907348

Received: 07/24/2009 15:25
Sampled by: Gary Bohan
Job Number: 857851

Client: Tyree Environmental Corp. (NY-G) (V#28741)

1 Northway Lane
Latham,
NY 12110

Project: Getty #58014

5510 Broadway Ave & 230th St
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2914-9667	3.00	3.00	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2914-9667	0.66	0.66	ug/Kg	U
67-66-3	Chloroform	B2914-9667	0.69	0.69	ug/Kg	U
71-43-2	Benzene	B2914-9667	0.62	0.62	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2914-9667	0.61	0.61	ug/Kg	U
74-83-9	Bromomethane	B2914-9667	0.57	0.57	ug/Kg	U
74-87-3	Chloromethane	B2914-9667	0.58	0.58	ug/Kg	U
74-95-3	Dibromomethane	B2914-9667	0.92	0.92	ug/Kg	U
74-97-5	Bromochloromethane	B2914-9667	0.68	0.68	ug/Kg	U
75-00-3	Chloroethane	B2914-9667	0.82	0.82	ug/Kg	U
75-01-4	Vinyl Chloride	B2914-9667	0.80	0.80	ug/Kg	U
75-09-2	Methylene Chloride	B2914-9667	1.10	1.10	ug/Kg	U
75-15-0	Carbon disulfide	B2914-9667	0.55	0.55	ug/Kg	U
75-25-2	Bromoform	B2914-9667	0.56	0.56	ug/Kg	U
75-27-4	Bromodichloromethane	B2914-9667	0.55	0.55	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2914-9667	0.67	0.67	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2914-9667	0.43	0.43	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2914-9667	1.00	1.00	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2914-9667	6.30	6.30	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2914-9667	0.66	0.66	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2914-9667	0.43	0.43	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2914-9667	0.61	0.61	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2914-9667	0.69	0.69	ug/Kg	U
78-93-3	2-Butanone	B2914-9667	2.60	2.60	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2914-9667	0.74	0.74	ug/Kg	U
79-01-6	Trichloroethene	B2914-9667	0.57	0.57	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2914-9667	0.70	0.70	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2914-9667	0.56	0.56	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2914-9667	0.56	0.56	ug/Kg	U
91-20-3	Naphthalene	B2914-9667	0.53	0.53	ug/Kg	U
95-47-6	o-xylene	B2914-9667	0.46	0.46	ug/Kg	U
95-49-8	2-Chlorotoluene	B2914-9667	0.62	0.62	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2914-9667	0.55	0.55	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2914-9667	0.43	0.43	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2914-9667	0.47	0.47	ug/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2914-9667	0.54	0.54	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2914-9667	0.83	0.83	ug/Kg	U
98-06-6	tert-Butylbenzene	B2914-9667	0.62	0.62	ug/Kg	U
98-82-8	Isopropylbenzene	B2914-9667	0.51	0.51	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2914-9667	0.55	0.55	ug/Kg	U
100-41-4	Ethylbenzene	B2914-9667	0.61	0.61	ug/Kg	U
100-42-5	Styrene	B2914-9667	0.50	0.50	ug/Kg	U
103-65-1	n-Propylbenzene	B2914-9667	0.54	0.54	ug/Kg	U
104-51-8	n-Butylbenzene	B2914-9667	0.56	0.56	ug/Kg	U
105-05-5	p-Diethylbenzene	B2914-9667	0.54	0.54	ug/Kg	U
106-43-4	4-Chlorotoluene	B2914-9667	0.58	0.58	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2914-9667	0.56	0.56	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2914-9667	0.69	0.69	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2914-9667	0.68	0.68	ug/Kg	U
107-13-1	Acrylonitrile	B2914-9667	8.20	8.20	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2914-9667	2.50	2.50	ug/Kg	U
108-38-3	m,p-xylene	B2914-9667	1.10	1.10	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2914-9667	0.51	0.51	ug/Kg	U
108-86-1	Bromobenzene	B2914-9667	0.60	0.60	ug/Kg	U
108-88-3	Toluene	B2914-9667	0.56	0.56	ug/Kg	U
108-90-7	Chlorobenzene	B2914-9667	0.71	0.71	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2914-9667	0.75	0.75	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2914-9667	0.40	0.40	ug/Kg	U
124-48-1	Dibromochloromethane	B2914-9667	0.54	0.54	ug/Kg	U
127-18-4	Tetrachloroethene	B2914-9667	0.53	0.53	ug/Kg	U
135-98-8	sec-Butylbenzene	B2914-9667	0.53	0.53	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2914-9667	0.61	0.61	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2914-9667	0.53	0.53	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2914-9667	0.54	0.54	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2914-9667	0.62	0.62	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2914-9667	0.62	0.62	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2914-9667	0.69	0.69	ug/Kg	U
591-78-6	2-Hexanone	B2914-9667	2.30	2.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2914-9667	0.49	0.49	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2914-9667	0.54	0.54	ug/Kg	U
994-05-8	TAME	B2914-9667	0.74	0.74	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2914-9667	0.61	0.61	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2914-9667	0.60	0.60	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2914-9667	0.49	0.49	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2914-9667	110.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2914-9667	95.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2914-9667	120.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2914-9667	110.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2914-9669	3.00	3.00	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2914-9669	0.64	0.64	ug/Kg	U
67-66-3	Chloroform	B2914-9669	0.68	0.68	ug/Kg	U
71-43-2	Benzene	B2914-9669	0.61	0.61	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2914-9669	0.60	0.60	ug/Kg	U
74-83-9	Bromomethane	B2914-9669	0.56	0.56	ug/Kg	U
74-87-3	Chloromethane	B2914-9669	0.58	0.58	ug/Kg	U
74-95-3	Dibromomethane	B2914-9669	0.91	0.91	ug/Kg	U
74-97-5	Bromochloromethane	B2914-9669	0.67	0.67	ug/Kg	U
75-00-3	Chloroethane	B2914-9669	0.81	0.81	ug/Kg	U
75-01-4	Vinyl Chloride	B2914-9669	0.78	0.78	ug/Kg	U
75-09-2	Methylene Chloride	B2914-9669	1.10	1.10	ug/Kg	U
75-15-0	Carbon disulfide	B2914-9669	0.54	0.54	ug/Kg	U
75-25-2	Bromoform	B2914-9669	0.55	0.55	ug/Kg	U
75-27-4	Bromodichloromethane	B2914-9669	0.54	0.54	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2914-9669	0.66	0.66	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2914-9669	0.43	0.43	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2914-9669	1.00	1.00	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2914-9669	6.20	6.20	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2914-9669	0.64	0.64	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2914-9669	0.43	0.43	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2914-9669	0.60	0.60	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2914-9669	0.68	0.68	ug/Kg	U
78-93-3	2-Butanone	B2914-9669	2.60	2.60	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2914-9669	0.72	0.72	ug/Kg	U
79-01-6	Trichloroethene	B2914-9669	0.56	0.56	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2914-9669	0.69	0.69	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2914-9669	0.55	0.55	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2914-9669	0.55	0.55	ug/Kg	U
91-20-3	Naphthalene	B2914-9669	0.52	0.52	ug/Kg	U
95-47-6	o-xylene	B2914-9669	0.45	0.45	ug/Kg	U
95-49-8	2-Chlorotoluene	B2914-9669	0.61	0.61	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2914-9669	0.54	0.54	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2914-9669	0.43	0.43	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2914-9669	0.46	**0.76**	ug/Kg	J
96-12-8	1,2-Dibromo-3-chloropropane	B2914-9669	0.53	0.53	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2914-9669	0.82	0.82	ug/Kg	U
98-06-6	tert-Butylbenzene	B2914-9669	0.61	0.61	ug/Kg	U
98-82-8	Isopropylbenzene	B2914-9669	0.51	0.51	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2914-9669	0.54	0.54	ug/Kg	U
100-41-4	Ethylbenzene	B2914-9669	0.60	0.60	ug/Kg	U
100-42-5	Styrene	B2914-9669	0.49	0.49	ug/Kg	U
103-65-1	n-Propylbenzene	B2914-9669	0.53	0.53	ug/Kg	U
104-51-8	n-Butylbenzene	B2914-9669	0.55	0.55	ug/Kg	U
105-05-5	p-Diethylbenzene	B2914-9669	0.53	0.53	ug/Kg	U
106-43-4	4-Chlorotoluene	B2914-9669	0.58	0.58	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2914-9669	0.55	0.55	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2914-9669	0.68	0.68	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2914-9669	0.67	0.67	ug/Kg	U
107-13-1	Acrylonitrile	B2914-9669	8.00	8.00	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2914-9669	2.50	2.50	ug/Kg	U
108-38-3	m,p-xylene	B2914-9669	1.00	1.00	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2914-9669	0.51	0.51	ug/Kg	U
108-86-1	Bromobenzene	B2914-9669	0.59	0.59	ug/Kg	U
108-88-3	Toluene	B2914-9669	0.55	0.55	ug/Kg	U
108-90-7	Chlorobenzene	B2914-9669	0.70	0.70	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2914-9669	0.74	0.74	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2914-9669	0.39	0.39	ug/Kg	U
124-48-1	Dibromochloromethane	B2914-9669	0.53	0.53	ug/Kg	U
127-18-4	Tetrachloroethene	B2914-9669	0.52	0.52	ug/Kg	U
135-98-8	sec-Butylbenzene	B2914-9669	0.52	0.52	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2914-9669	0.60	0.60	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2914-9669	0.52	0.52	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2914-9669	0.53	0.53	ug/Kg	U

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07/30/2009

Volatiles - EPA 8260B

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/28/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2914-9669	0.61	0.61	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2914-9669	0.61	0.61	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2914-9669	0.68	0.68	ug/Kg	U
591-78-6	2-Hexanone	B2914-9669	2.30	2.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2914-9669	0.48	0.48	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2914-9669	0.53	0.53	ug/Kg	U
994-05-8	TAME	B2914-9669	0.72	0.72	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2914-9669	0.60	0.60	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2914-9669	0.59	0.59	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2914-9669	0.48	0.48	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2914-9669	112.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2914-9669	94.0 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2914-9669	115.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2914-9669	104.0 %	(74 - 125)	

Environmental Testing Laboratories, Inc.
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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Collected: 07/21/2009 12:00
Matrix: Soil Type: Grab % Solid: 85.6%
Remarks:
Analyzed Date: 07/29/2009
Preparation Date(s) : 07/27/2009

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3724	24.0	24.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3724	51.0	51.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3724	31.0	31.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3724	50.0	50.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3724	62.0	62.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3724	78.0	78.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3724	49.0	49.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3724	36.0	36.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3724	74.0	74.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3724	47.0	47.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3724	950	950	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3724	51.0	51.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3724	69.0	69.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3724	44.0	44.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3724	35.0	35.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3724	36.0	36.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3724	63.0	63.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3724	48.0	48.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3724	60.0	60.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3724	40.0	40.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3724	78.0	78.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3724	92.0	92.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3724	120	120	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3724	54.0	54.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3724	59.0	59.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3724	50.0	50.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3724	64.0	64.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3724	54.0	54.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3724	71.0	71.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3724	38.0	38.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3724	42.0	42.0	ug/Kg	U
62-53-3	Aniline	B2529-3724	52.0	52.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Collected: 07/21/2009 12:00
Matrix: Soil
Type: Grab
% Solid: 85.6%
Remarks:
Analyzed Date: 07/29/2009
Preparation Date(s) : 07/27/2009

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3724	36.0	**38.0**	ug/Kg	J
92-87-5	Benzidine	B2529-3724	84.0	84.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3724	59.0	**92.0**	ug/Kg	J
50-32-8	Benzo(a)pyrene	B2529-3724	52.0	**120**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2529-3724	71.0	**79.0**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2529-3724	58.0	**190**	ug/Kg	J
207-08-9	Benzo(k)fluoranthene	B2529-3724	51.0	**76.0**	ug/Kg	J
65-85-0	Benzoic acid	B2529-3724	5360	5360	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3724	67.0	67.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3724	67.0	67.0	ug/Kg	U
86-74-8	Carbazole	B2529-3724	66.0	66.0	ug/Kg	U
218-01-9	Chrysene	B2529-3724	55.0	**87.0**	ug/Kg	J
	Cresols	B2529-3724	100	100	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3724	54.0	54.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3724	56.0	56.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3724	37.0	**58.0**	ug/Kg	J
132-64-9	Dibenzofuran	B2529-3724	35.0	35.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3724	63.0	63.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3724	47.0	47.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3724	53.0	**130**	ug/Kg	J
86-73-7	Fluorene	B2529-3724	46.0	46.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3724	70.0	70.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3724	73.0	73.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3724	230	230	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3724	68.0	68.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3724	54.0	**140**	ug/Kg	J
78-59-1	Isophorone	B2529-3724	26.0	26.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3724	91.0	91.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3724	110	110	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3724	48.0	48.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3724	56.0	56.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3724	92.0	92.0	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-1
Client Sample ID: Southtank Southwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/29/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 12:00
% Solid: 85.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3724	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2529-3724	57.0	57.0	ug/Kg	U
108-95-2	Phenol	B2529-3724	75.0	75.0	ug/Kg	U
129-00-0	Pyrene	B2529-3724	48.0	140	ug/Kg	J
110-86-1	Pyridine	B2529-3724	57.0	57.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3724	57.0	57.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3724	39.0	39.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3724	39.0	39.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3724	70.0	180	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3724	98.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3724	58.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3724	47.9 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3724	38.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3724	54.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3724	76.7 %	(18 - 137)	

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2529-3722	24.0	24.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2529-3722	50.0	50.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2529-3722	30.0	30.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2529-3722	49.0	49.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2529-3722	61.0	61.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2529-3722	77.0	77.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2529-3722	48.0	48.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2529-3722	35.0	35.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2529-3722	73.0	73.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2529-3722	46.0	46.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2529-3722	940	940	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2529-3722	51.0	51.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2529-3722	69.0	69.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2529-3722	43.0	43.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2529-3722	34.0	34.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2529-3722	36.0	36.0	ug/Kg	U
95-48-7	2-Methylphenol	B2529-3722	63.0	63.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2529-3722	48.0	48.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2529-3722	59.0	59.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2529-3722	40.0	40.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2529-3722	77.0	77.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2529-3722	91.0	91.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2529-3722	120	120	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2529-3722	53.0	53.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2529-3722	58.0	58.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2529-3722	49.0	49.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2529-3722	63.0	63.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2529-3722	54.0	54.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2529-3722	70.0	70.0	ug/Kg	U
83-32-9	Acenaphthene	B2529-3722	38.0	38.0	ug/Kg	U
208-96-8	Acenaphthylene	B2529-3722	42.0	42.0	ug/Kg	U
62-53-3	Aniline	B2529-3722	52.0	52.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2529-3722	36.0	36.0	ug/Kg	U
92-87-5	Benzidine	B2529-3722	83.0	83.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2529-3722	58.0	58.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2529-3722	51.0	51.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2529-3722	70.0	70.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2529-3722	57.0	57.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2529-3722	50.0	50.0	ug/Kg	U
65-85-0	Benzoic acid	B2529-3722	5300	5300	ug/Kg	U
100-51-6	Benzyl alcohol	B2529-3722	66.0	66.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2529-3722	66.0	66.0	ug/Kg	U
86-74-8	Carbazole	B2529-3722	65.0	65.0	ug/Kg	U
218-01-9	Chrysene	B2529-3722	54.0	54.0	ug/Kg	U
	Cresols	B2529-3722	100	100	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2529-3722	53.0	53.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2529-3722	55.0	55.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2529-3722	37.0	37.0	ug/Kg	U
132-64-9	Dibenzofuran	B2529-3722	35.0	35.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2529-3722	62.0	62.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2529-3722	47.0	47.0	ug/Kg	U
206-44-0	Fluoranthene	B2529-3722	53.0	53.0	ug/Kg	U
86-73-7	Fluorene	B2529-3722	45.0	45.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2529-3722	69.0	69.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2529-3722	72.0	72.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2529-3722	220	220	ug/Kg	U
67-72-1	Hexachloroethane	B2529-3722	67.0	67.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2529-3722	53.0	53.0	ug/Kg	U
78-59-1	Isophorone	B2529-3722	26.0	26.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2529-3722	90.0	90.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2529-3722	110	110	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2529-3722	48.0	48.0	ug/Kg	U
91-20-3	Naphthalene	B2529-3722	55.0	55.0	ug/Kg	U
98-95-3	Nitrobenzene	B2529-3722	91.0	91.0	ug/Kg	U

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07/30/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907348-2
Client Sample ID: Ghost tank Northwall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/28/2009
Preparation Date(s) : 07/27/2009

Collected: 07/21/2009 13:30
% Solid: 86.6%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2529-3722	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2529-3722	56.0	56.0	ug/Kg	U
108-95-2	Phenol	B2529-3722	75.0	75.0	ug/Kg	U
129-00-0	Pyrene	B2529-3722	47.0	47.0	ug/Kg	U
110-86-1	Pyridine	B2529-3722	57.0	57.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2529-3722	56.0	56.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2529-3722	39.0	39.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2529-3722	38.0	38.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2529-3722	69.0	69.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2529-3722	80.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2529-3722	58.9 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2529-3722	54.3 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2529-3722	61.3 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2529-3722	55.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2529-3722	82.9 %	(18 - 137)	

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07/30/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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07/30/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Laboratory Identifier: 0907442
Received: 07/31/2009 15:30
Sampled by: Gary Bohan

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: GETTY 58014
5510 Broadway
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	C3316-7998	1640	1640	ug/Kg	U
56-23-5	Carbon Tetrachloride	C3316-7998	250	250	ug/Kg	U
67-66-3	Chloroform	C3316-7998	260	260	ug/Kg	U
71-43-2	Benzene	C3316-7998	240	**1530**	ug/Kg	J
71-55-6	1,1,1-Trichloroethane	C3316-7998	290	290	ug/Kg	U
74-83-9	Bromomethane	C3316-7998	330	330	ug/Kg	U
74-87-3	Chloromethane	C3316-7998	290	290	ug/Kg	U
74-95-3	Dibromomethane	C3316-7998	260	260	ug/Kg	U
74-97-5	Bromochloromethane	C3316-7998	300	300	ug/Kg	U
75-00-3	Chloroethane	C3316-7998	530	530	ug/Kg	U
75-01-4	Vinyl Chloride	C3316-7998	240	240	ug/Kg	U
75-09-2	Methylene Chloride	C3316-7998	220	220	ug/Kg	U
75-15-0	Carbon disulfide	C3316-7998	220	220	ug/Kg	U
75-25-2	Bromoform	C3316-7998	210	210	ug/Kg	U
75-27-4	Bromodichloromethane	C3316-7998	280	280	ug/Kg	U
75-34-3	1,1-Dichloroethane	C3316-7998	170	170	ug/Kg	U
75-35-4	1,1-Dichloroethene	C3316-7998	210	210	ug/Kg	U
75-45-6	Chlorodifluoromethane	C3316-7998	260	260	ug/Kg	U
75-65-0	Tertiary butyl alcohol	C3316-7998	5000	5000	ug/Kg	U
75-69-4	Trichlorofluoromethane	C3316-7998	290	290	ug/Kg	U
75-71-8	Dichlorodifluoromethane	C3316-7998	270	270	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3316-7998	260	260	ug/Kg	U
78-87-5	1,2-Dichloropropane	C3316-7998	290	290	ug/Kg	U
78-93-3	2-Butanone	C3316-7998	1080	1080	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	C3316-7998	290	290	ug/Kg	U
79-01-6	Trichloroethene	C3316-7998	260	260	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	C3316-7998	260	260	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	C3316-7998	200	200	ug/Kg	U
87-68-3	Hexachlorobutadiene	C3316-7998	300	300	ug/Kg	U
91-20-3	Naphthalene	C3316-7998	180	**50900**	ug/Kg	
95-47-6	o-xylene	C3316-8003	2070	**228000**	ug/Kg	
95-49-8	2-Chlorotoluene	C3316-7998	200	200	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	C3316-7998	270	270	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3316-8003	2460	**422000**	ug/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	C3316-7998	200	**38700**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	C3316-7998	160	160	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	C3316-7998	300	300	ug/Kg	U
98-06-6	tert-Butylbenzene	C3316-7998	250	250	ug/Kg	U
98-82-8	Isopropylbenzene	C3316-7998	250	**13100**	ug/Kg	
99-87-6	4-Isopropyltoluene	C3316-7998	190	**11600**	ug/Kg	
100-41-4	Ethylbenzene	C3316-8003	2300	**126000**	ug/Kg	
100-42-5	Styrene	C3316-7998	220	220	ug/Kg	U
103-65-1	n-Propylbenzene	C3316-7998	230	**55500**	ug/Kg	
104-51-8	n-Butylbenzene	C3316-7998	240	**26800**	ug/Kg	
105-05-5	p-Diethylbenzene	C3316-8003	2180	**129000**	ug/Kg	
106-43-4	4-Chlorotoluene	C3316-7998	290	290	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C3316-7998	220	220	ug/Kg	U
106-93-4	1,2-Dibromoethane	C3316-7998	260	260	ug/Kg	U
107-06-2	1,2-Dichloroethane	C3316-7998	280	280	ug/Kg	U
107-13-1	Acrylonitrile	C3316-7998	4280	4280	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	C3316-7998	1020	1020	ug/Kg	U
108-38-3	m,p-xylene	C3316-8003	4820	**590000**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	C3316-8003	2410	**124000**	ug/Kg	
108-86-1	Bromobenzene	C3316-7998	210	210	ug/Kg	U
108-88-3	Toluene	C3316-8003	2520	**115000**	ug/Kg	
108-90-7	Chlorobenzene	C3316-7998	270	270	ug/Kg	U
110-75-8	2-Chloroethylvinylether	C3316-7998	280	280	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	C3316-7998	250	250	ug/Kg	U
124-48-1	Dibromochloromethane	C3316-7998	240	240	ug/Kg	U
127-18-4	Tetrachloroethene	C3316-7998	330	330	ug/Kg	U
135-98-8	sec-Butylbenzene	C3316-7998	200	**5670**	ug/Kg	
142-28-9	1,3-Dichloropropane	C3316-7998	260	260	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	C3316-7998	240	240	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	C3316-7998	150	150	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	C3316-7999	1.68	1.68	ug/Kg	U
56-23-5	Carbon Tetrachloride	C3316-7999	0.25	0.25	ug/Kg	U
67-66-3	Chloroform	C3316-7999	0.26	0.26	ug/Kg	U
71-43-2	Benzene	C3316-7999	0.25	2.03	ug/Kg	J
71-55-6	1,1,1-Trichloroethane	C3316-7999	0.30	0.30	ug/Kg	U
74-83-9	Bromomethane	C3316-7999	0.34	0.34	ug/Kg	U
74-87-3	Chloromethane	C3316-7999	0.29	0.29	ug/Kg	U
74-95-3	Dibromomethane	C3316-7999	0.27	0.27	ug/Kg	U
74-97-5	Bromochloromethane	C3316-7999	0.30	0.30	ug/Kg	U
75-00-3	Chloroethane	C3316-7999	0.54	0.54	ug/Kg	U
75-01-4	Vinyl Chloride	C3316-7999	0.25	0.25	ug/Kg	U
75-09-2	Methylene Chloride	C3316-7999	0.22	0.22	ug/Kg	U
75-15-0	Carbon disulfide	C3316-7999	0.23	0.23	ug/Kg	U
75-25-2	Bromoform	C3316-7999	0.21	0.21	ug/Kg	U
75-27-4	Bromodichloromethane	C3316-7999	0.29	0.29	ug/Kg	U
75-34-3	1,1-Dichloroethane	C3316-7999	0.17	0.17	ug/Kg	U
75-35-4	1,1-Dichloroethene	C3316-7999	0.21	0.21	ug/Kg	U
75-45-6	Chlorodifluoromethane	C3316-7999	0.27	0.27	ug/Kg	U
75-65-0	Tertiary butyl alcohol	C3316-7999	5.12	5.12	ug/Kg	U
75-69-4	Trichlorofluoromethane	C3316-7999	0.30	0.30	ug/Kg	U
75-71-8	Dichlorodifluoromethane	C3316-7999	0.28	0.28	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3316-7999	0.27	0.27	ug/Kg	U
78-87-5	1,2-Dichloropropane	C3316-7999	0.30	0.30	ug/Kg	U
78-93-3	2-Butanone	C3316-7999	1.10	1.10	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	C3316-7999	0.29	0.29	ug/Kg	U
79-01-6	Trichloroethene	C3316-7999	0.26	0.26	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	C3316-7999	0.26	0.26	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	C3316-7999	0.21	0.21	ug/Kg	U
87-68-3	Hexachlorobutadiene	C3316-7999	0.31	0.31	ug/Kg	U
91-20-3	Naphthalene	C3316-7999	0.19	54.4	ug/Kg	
95-47-6	o-xylene	C3316-8004	2.12	174	ug/Kg	
95-49-8	2-Chlorotoluene	C3316-7999	0.21	0.21	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	C3316-7999	0.28	0.28	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3316-8004	2.53	**404**	ug/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	C3316-7999	0.20	**41.9**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	C3316-7999	0.16	0.16	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	C3316-7999	0.31	0.31	ug/Kg	U
98-06-6	tert-Butylbenzene	C3316-7999	0.25	0.25	ug/Kg	U
98-82-8	Isopropylbenzene	C3316-7999	0.25	**12.8**	ug/Kg	
99-87-6	4-Isopropyltoluene	C3316-7999	0.20	**12.6**	ug/Kg	
100-41-4	Ethylbenzene	C3316-8004	2.35	**108**	ug/Kg	
100-42-5	Styrene	C3316-7999	0.22	0.22	ug/Kg	U
103-65-1	n-Propylbenzene	C3316-7999	0.24	**54.3**	ug/Kg	
104-51-8	n-Butylbenzene	C3316-7999	0.25	**30.5**	ug/Kg	
105-05-5	p-Diethylbenzene	C3316-8004	2.24	**124**	ug/Kg	
106-43-4	4-Chlorotoluene	C3316-7999	0.30	0.30	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C3316-7999	0.23	0.23	ug/Kg	U
106-93-4	1,2-Dibromoethane	C3316-7999	0.27	0.27	ug/Kg	U
107-06-2	1,2-Dichloroethane	C3316-7999	0.29	0.29	ug/Kg	U
107-13-1	Acrylonitrile	C3316-7999	4.39	4.39	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	C3316-7999	1.04	1.04	ug/Kg	U
108-38-3	m,p-xylene	C3316-8004	4.94	**492**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	C3316-8004	2.47	**117**	ug/Kg	
108-86-1	Bromobenzene	C3316-7999	0.21	0.21	ug/Kg	U
108-88-3	Toluene	C3316-8004	2.58	**81.7**	ug/Kg	
108-90-7	Chlorobenzene	C3316-7999	0.28	0.28	ug/Kg	U
110-75-8	2-Chloroethylvinylether	C3316-7999	0.29	0.29	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	C3316-7999	0.26	0.26	ug/Kg	U
124-48-1	Dibromochloromethane	C3316-7999	0.25	0.25	ug/Kg	U
127-18-4	Tetrachloroethene	C3316-7999	0.34	0.34	ug/Kg	U
135-98-8	sec-Butylbenzene	C3316-7999	0.21	**7.23**	ug/Kg	
142-28-9	1,3-Dichloropropane	C3316-7999	0.26	0.26	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	C3316-7999	0.24	0.24	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	C3316-7999	0.15	0.15	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	C3316-7999	0.22	0.22	ug/Kg	U
563-58-6	1,1-Dichloropropene	C3316-7999	0.21	0.21	ug/Kg	U
590-20-7	2,2-Dichloropropane	C3316-7999	0.34	0.34	ug/Kg	U
591-78-6	2-Hexanone	C3316-7999	1.28	1.28	ug/Kg	U
622-96-8	p-Ethyltoluene	C3316-8004	2.24	316	ug/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	C3316-7999	0.24	0.24	ug/Kg	U
994-05-8	TAME	C3316-7999	0.44	0.44	ug/Kg	U
1634-04-4	Methyl t-butyl ether	C3316-7999	0.29	0.29	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	C3316-7999	0.30	0.30	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	C3316-7999	0.21	0.21	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-7999	121.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-7999	105.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-7999	112.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-7999	102.0 %	(74 - 136)	
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-8004	119.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-8004	105.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-8004	115.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-8004	101.0 %	(74 - 136)	

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	C3316-8000	1.68	1.68	ug/Kg	U
56-23-5	Carbon Tetrachloride	C3316-8000	0.25	0.25	ug/Kg	U
67-66-3	Chloroform	C3316-8000	0.26	0.26	ug/Kg	U
71-43-2	Benzene	C3316-8000	0.25	3.36	ug/Kg	
71-55-6	1,1,1-Trichloroethane	C3316-8000	0.30	0.30	ug/Kg	U
74-83-9	Bromomethane	C3316-8000	0.34	0.34	ug/Kg	U
74-87-3	Chloromethane	C3316-8000	0.29	0.29	ug/Kg	U
74-95-3	Dibromomethane	C3316-8000	0.27	0.27	ug/Kg	U
74-97-5	Bromochloromethane	C3316-8000	0.30	0.30	ug/Kg	U
75-00-3	Chloroethane	C3316-8000	0.54	0.54	ug/Kg	U
75-01-4	Vinyl Chloride	C3316-8000	0.25	0.25	ug/Kg	U
75-09-2	Methylene Chloride	C3316-8000	0.22	0.22	ug/Kg	U
75-15-0	Carbon disulfide	C3316-8000	0.23	0.23	ug/Kg	U
75-25-2	Bromoform	C3316-8000	0.21	0.21	ug/Kg	U
75-27-4	Bromodichloromethane	C3316-8000	0.29	0.29	ug/Kg	U
75-34-3	1,1-Dichloroethane	C3316-8000	0.17	0.17	ug/Kg	U
75-35-4	1,1-Dichloroethene	C3316-8000	0.21	0.21	ug/Kg	U
75-45-6	Chlorodifluoromethane	C3316-8000	0.27	0.27	ug/Kg	U
75-65-0	Tertiary butyl alcohol	C3316-8000	5.13	5.13	ug/Kg	U
75-69-4	Trichlorofluoromethane	C3316-8000	0.30	0.30	ug/Kg	U
75-71-8	Dichlorodifluoromethane	C3316-8000	0.28	0.28	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	C3316-8000	0.27	0.27	ug/Kg	U
78-87-5	1,2-Dichloropropane	C3316-8000	0.30	0.30	ug/Kg	U
78-93-3	2-Butanone	C3316-8000	1.10	1.10	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	C3316-8000	0.29	0.29	ug/Kg	U
79-01-6	Trichloroethene	C3316-8000	0.26	0.26	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	C3316-8000	0.26	0.26	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	C3316-8000	0.21	0.21	ug/Kg	U
87-68-3	Hexachlorobutadiene	C3316-8000	0.31	0.31	ug/Kg	U
91-20-3	Naphthalene	C3316-8000	0.19	70.6	ug/Kg	
95-47-6	o-xylene	C3316-8005	2.13	238	ug/Kg	
95-49-8	2-Chlorotoluene	C3316-8000	0.21	0.21	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	C3316-8000	0.28	0.28	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3316-8005	2.53	**506**	ug/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	C3316-8000	0.20	**55.6**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	C3316-8000	0.16	0.16	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	C3316-8000	0.31	0.31	ug/Kg	U
98-06-6	tert-Butylbenzene	C3316-8000	0.25	0.25	ug/Kg	U
98-82-8	Isopropylbenzene	C3316-8000	0.25	**17.9**	ug/Kg	
99-87-6	4-Isopropyltoluene	C3316-8000	0.20	**16.4**	ug/Kg	
100-41-4	Ethylbenzene	C3316-8005	2.36	**130**	ug/Kg	
100-42-5	Styrene	C3316-8000	0.22	0.22	ug/Kg	U
103-65-1	n-Propylbenzene	C3316-8000	0.24	**72.7**	ug/Kg	
104-51-8	n-Butylbenzene	C3316-8000	0.25	**4.75**	ug/Kg	
105-05-5	p-Diethylbenzene	C3316-8005	2.24	**155**	ug/Kg	
106-43-4	4-Chlorotoluene	C3316-8000	0.30	0.30	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C3316-8000	0.23	0.23	ug/Kg	U
106-93-4	1,2-Dibromoethane	C3316-8000	0.27	0.27	ug/Kg	U
107-06-2	1,2-Dichloroethane	C3316-8000	0.29	0.29	ug/Kg	U
107-13-1	Acrylonitrile	C3316-8000	4.40	4.40	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	C3316-8000	1.05	1.05	ug/Kg	U
108-38-3	m,p-xylene	C3316-8005	4.95	**689**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	C3316-8005	2.47	**150**	ug/Kg	
108-86-1	Bromobenzene	C3316-8000	0.21	0.21	ug/Kg	U
108-88-3	Toluene	C3316-8005	2.59	**93.0**	ug/Kg	
108-90-7	Chlorobenzene	C3316-8000	0.28	0.28	ug/Kg	U
110-75-8	2-Chloroethylvinylether	C3316-8000	0.29	0.29	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	C3316-8000	0.26	0.26	ug/Kg	U
124-48-1	Dibromochloromethane	C3316-8000	0.25	0.25	ug/Kg	U
127-18-4	Tetrachloroethene	C3316-8000	0.34	0.34	ug/Kg	U
135-98-8	sec-Butylbenzene	C3316-8000	0.21	**8.54**	ug/Kg	
142-28-9	1,3-Dichloropropane	C3316-8000	0.26	0.26	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	C3316-8000	0.24	0.24	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	C3316-8000	0.16	0.16	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	C3316-8000	0.22	0.22	ug/Kg	U
563-58-6	1,1-Dichloropropene	C3316-8000	0.21	0.21	ug/Kg	U
590-20-7	2,2-Dichloropropane	C3316-8000	0.34	0.34	ug/Kg	U
591-78-6	2-Hexanone	C3316-8000	1.28	1.28	ug/Kg	U
622-96-8	p-Ethyltoluene	C3316-8005	2.24	399	ug/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	C3316-8000	0.24	0.24	ug/Kg	U
994-05-8	TAME	C3316-8000	0.44	0.44	ug/Kg	U
1634-04-4	Methyl t-butyl ether	C3316-8000	0.29	0.29	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	C3316-8000	0.30	0.30	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	C3316-8000	0.21	0.21	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-8000	123.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-8000	111.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-8000	110.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-8000	102.0 %	(74 - 136)	
17060-07-0	1,2-DICHLOROETHANE-D4	C3316-8005	119.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3316-8005	105.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3316-8005	116.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3316-8005	100.0 %	(74 - 136)	

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3735	22.8	22.8	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3735	48.8	48.8	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3735	29.6	29.6	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3735	47.7	47.7	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3735	59.4	59.4	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3735	74.9	74.9	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3735	46.5	46.5	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3735	34.2	34.2	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3735	71.1	71.1	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3735	44.7	44.7	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3735	910	910	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3735	48.9	48.9	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3735	66.5	66.5	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3735	41.9	41.9	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3735	33.4	33.4	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2276-1139	445	**15400**	ug/Kg	
95-48-7	2-Methylphenol(o-Cresol)	B2531-3735	60.8	60.8	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3735	46.0	46.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3735	57.2	57.2	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	B2531-3735	38.3	38.3	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3735	74.5	74.5	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3735	88.6	88.6	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	B2531-3735	113	113	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	B2531-3735	51.6	51.6	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3735	56.1	56.1	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3735	47.8	47.8	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	B2531-3735	61.5	61.5	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3735	52.0	52.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3735	68.1	68.1	ug/Kg	U
83-32-9	Acenaphthene	B2531-3735	36.8	**66.0**	ug/Kg	J
208-96-8	Acenaphthylene	B2531-3735	40.3	40.3	ug/Kg	U
62-53-3	Aniline	B2531-3735	50.2	50.2	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3735	34.8	65.5	ug/Kg	J
92-87-5	Benzidine	B2531-3735	80.2	80.2	ug/Kg	U
56-55-3	Benzo[a]anthracene	B2531-3735	56.1	56.1	ug/Kg	U
50-32-8	Benzo[a]pyrene	B2531-3735	49.6	49.6	ug/Kg	U
205-99-2	3,4-Benzofluoranthene	B2531-3735	68.3	68.3	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	B2531-3735	55.7	55.7	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	B2531-3735	48.7	48.7	ug/Kg	U
65-85-0	Benzoic acid	B2531-3735	5140	5140	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3735	63.8	63.8	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3735	64.2	64.2	ug/Kg	U
86-74-8	Carbazole	B2531-3735	62.9	62.9	ug/Kg	U
218-01-9	Chrysene	B2531-3735	52.6	52.6	ug/Kg	U
	Cresol (total)	B2531-3735	99.1	99.1	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3735	51.5	51.5	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3735	53.8	53.8	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	B2531-3735	35.9	35.9	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3735	34.0	34.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3735	59.9	59.9	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3735	45.5	45.5	ug/Kg	U
206-44-0	Fluoranthene	B2531-3735	51.2	51.2	ug/Kg	U
86-73-7	Fluorene	B2531-3735	43.8	135	ug/Kg	J
118-74-1	Hexachlorobenzene	B2531-3735	67.0	67.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3735	69.7	69.7	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3735	217	217	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3735	65.3	65.3	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	B2531-3735	51.8	51.8	ug/Kg	U
78-59-1	Isophorone	B2531-3735	24.9	24.9	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	B2531-3735	87.7	87.7	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	B2531-3735	104	104	ug/Kg	U
86-30-6	Diphenylnitrosamine	B2531-3735	46.0	66.3	ug/Kg	J
91-20-3	Naphthalene	C2276-1139	450	22300	ug/Kg	
98-95-3	Nitrobenzene	B2531-3735	88.7	88.7	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-1
Client Sample ID: North Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 10:00
% Solid: 89.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3735	340	340	ug/Kg	U
85-01-8	Phenanthrene	B2531-3735	54.4	174	ug/Kg	J
108-95-2	Phenol	B2531-3735	72.3	72.3	ug/Kg	U
129-00-0	Pyrene	B2531-3735	45.9	66.6	ug/Kg	J
110-86-1	Pyridine	B2531-3735	54.8	54.8	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	B2531-3735	54.2	54.2	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	B2531-3735	37.5	37.5	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	B2531-3735	37.0	37.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3735	66.7	66.7	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3735	83.9 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3735	53.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3735	50.5 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3735	39.8 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3735	48.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3735	81.0 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3736	23.4	23.4	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3736	50.1	50.1	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3736	30.3	30.3	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3736	48.9	48.9	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3736	60.8	60.8	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3736	76.8	76.8	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3736	47.6	47.6	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3736	35.0	35.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3736	72.9	72.9	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3736	45.8	45.8	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3736	933	933	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3736	50.2	50.2	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3736	68.2	68.2	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3736	42.9	42.9	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3736	34.2	34.2	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2276-1140	456	**30900**	ug/Kg	
95-48-7	2-Methylphenol(o-Cresol)	B2531-3736	62.3	62.3	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3736	47.2	47.2	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3736	58.7	58.7	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	B2531-3736	39.3	39.3	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3736	76.3	76.3	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3736	90.8	90.8	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	B2531-3736	116	116	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	B2531-3736	52.9	52.9	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3736	57.5	57.5	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3736	49.0	49.0	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	B2531-3736	63.0	63.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3736	53.3	53.3	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3736	69.8	69.8	ug/Kg	U
83-32-9	Acenaphthene	B2531-3736	37.8	**165**	ug/Kg	J
208-96-8	Acenaphthylene	B2531-3736	41.3	41.3	ug/Kg	U
62-53-3	Aniline	B2531-3736	51.4	51.4	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3736	35.7	**89.7**	ug/Kg	J
92-87-5	Benzidine	B2531-3736	82.2	82.2	ug/Kg	U
56-55-3	Benzo[a]anthracene	B2531-3736	57.5	**92.6**	ug/Kg	J
50-32-8	Benzo[a]pyrene	B2531-3736	50.9	**79.4**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	B2531-3736	70.0	70.0	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	B2531-3736	57.1	57.1	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	B2531-3736	49.9	**66.1**	ug/Kg	J
65-85-0	Benzoic acid	B2531-3736	5270	5270	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3736	65.4	65.4	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3736	65.8	65.8	ug/Kg	U
86-74-8	Carbazole	B2531-3736	64.5	64.5	ug/Kg	U
218-01-9	Chrysene	B2531-3736	54.0	**140**	ug/Kg	J
	Cresol (total)	B2531-3736	102	102	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3736	52.8	52.8	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3736	55.1	55.1	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	B2531-3736	36.9	36.9	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3736	34.9	**205**	ug/Kg	J
84-66-2	Diethyl phthalate	B2531-3736	61.4	61.4	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3736	46.6	46.6	ug/Kg	U
206-44-0	Fluoranthene	B2531-3736	52.5	**170**	ug/Kg	J
86-73-7	Fluorene	B2531-3736	44.9	**429**	ug/Kg	J
118-74-1	Hexachlorobenzene	B2531-3736	68.7	68.7	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3736	71.4	71.4	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3736	223	223	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3736	66.9	66.9	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	B2531-3736	53.2	53.2	ug/Kg	U
78-59-1	Isophorone	B2531-3736	25.5	25.5	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	B2531-3736	89.9	89.9	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	B2531-3736	107	107	ug/Kg	U
86-30-6	Diphenylnitrosamine	B2531-3736	47.2	47.2	ug/Kg	U
91-20-3	Naphthalene	C2276-1140	462	**40300**	ug/Kg	
98-95-3	Nitrobenzene	B2531-3736	90.9	90.9	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-2
Client Sample ID: East Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 12:00
% Solid: 87.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3736	349	349	ug/Kg	U
85-01-8	Phenanthrene	B2531-3736	55.8	410	ug/Kg	J
108-95-2	Phenol	B2531-3736	74.2	74.2	ug/Kg	U
129-00-0	Pyrene	B2531-3736	47.1	181	ug/Kg	J
110-86-1	Pyridine	B2531-3736	56.1	56.1	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	B2531-3736	55.6	55.6	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	B2531-3736	38.5	38.5	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	B2531-3736	37.9	37.9	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3736	68.4	68.4	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3736	93.7 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3736	67.5 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3736	68.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3736	54.0 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3736	82.8 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3736	79.2 %	(18 - 137)	

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3737	23.5	23.5	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3737	50.2	50.2	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3737	30.4	30.4	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3737	49.0	49.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3737	61.0	61.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3737	77.0	77.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3737	47.8	47.8	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3737	35.1	35.1	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3737	73.1	73.1	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3737	45.9	45.9	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3737	936	936	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3737	50.3	50.3	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3737	68.4	68.4	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3737	43.0	43.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3737	34.3	34.3	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2276-1141	457	20600	ug/Kg	
95-48-7	2-Methylphenol(o-Cresol)	B2531-3737	62.5	62.5	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3737	47.3	47.3	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3737	58.8	58.8	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	B2531-3737	39.4	39.4	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3737	76.5	76.5	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3737	91.0	91.0	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	B2531-3737	116	116	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	B2531-3737	53.0	53.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3737	57.7	57.7	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3737	49.1	49.1	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	B2531-3737	63.2	63.2	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3737	53.4	53.4	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3737	70.0	70.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3737	37.9	102	ug/Kg	J
208-96-8	Acenaphthylene	B2531-3737	41.4	41.4	ug/Kg	U
62-53-3	Aniline	B2531-3737	51.6	51.6	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Collected: 07/27/2009 14:00
Matrix: Soil
Type: Grab
% Solid: 86.9%
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3737	35.8	**78.7**	ug/Kg	J
92-87-5	Benzidine	B2531-3737	82.4	82.4	ug/Kg	U
56-55-3	Benzo[a]anthracene	B2531-3737	57.7	57.7	ug/Kg	U
50-32-8	Benzo[a]pyrene	B2531-3737	51.0	51.0	ug/Kg	U
205-99-2	3,4-Benzofluoranthene	B2531-3737	70.2	70.2	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	B2531-3737	57.2	57.2	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	B2531-3737	50.1	50.1	ug/Kg	U
65-85-0	Benzoic acid	B2531-3737	5280	5280	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3737	65.6	65.6	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3737	65.9	65.9	ug/Kg	U
86-74-8	Carbazole	B2531-3737	64.7	64.7	ug/Kg	U
218-01-9	Chrysene	B2531-3737	54.1	54.1	ug/Kg	U
	Cresol (total)	B2531-3737	102	102	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3737	52.9	52.9	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3737	55.2	55.2	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	B2531-3737	36.9	36.9	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3737	35.0	**70.3**	ug/Kg	J
84-66-2	Diethyl phthalate	B2531-3737	61.6	61.6	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3737	46.7	46.7	ug/Kg	U
206-44-0	Fluoranthene	B2531-3737	52.6	**83.3**	ug/Kg	J
86-73-7	Fluorene	B2531-3737	45.0	**192**	ug/Kg	J
118-74-1	Hexachlorobenzene	B2531-3737	68.8	68.8	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3737	71.6	71.6	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3737	223	223	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3737	67.1	67.1	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	B2531-3737	53.3	53.3	ug/Kg	U
78-59-1	Isophorone	B2531-3737	25.5	25.5	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	B2531-3737	90.1	90.1	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	B2531-3737	107	107	ug/Kg	U
86-30-6	Diphenylnitrosamine	B2531-3737	47.3	47.3	ug/Kg	U
91-20-3	Naphthalene	C2276-1141	463	**27900**	ug/Kg	
98-95-3	Nitrobenzene	B2531-3737	91.1	91.1	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907442-3
Client Sample ID: South Tank Bottom
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/27/2009 14:00
% Solid: 86.9%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3737	350	350	ug/Kg	U
85-01-8	Phenanthrene	B2531-3737	55.9	245	ug/Kg	J
108-95-2	Phenol	B2531-3737	74.3	74.3	ug/Kg	U
129-00-0	Pyrene	B2531-3737	47.2	91.8	ug/Kg	J
110-86-1	Pyridine	B2531-3737	56.3	56.3	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	B2531-3737	55.7	55.7	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	B2531-3737	38.6	38.6	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	B2531-3737	38.0	38.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3737	68.6	68.6	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3737	92.0 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3737	57.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3737	45.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3737	46.6 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3737	50.8 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3737	76.4 %	(18 - 137)	

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08/05/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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08/05/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.
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09/15/2009

Laboratory Identifier: 0907447
Received: 07/31/2009 15:45
Sampled by: Gary Bohan

Client: Tyree Environmental Corp. (NY-G) (V#28741)
1 Northway Lane
Latham,
NY 12110

Project: GETTY 58014
5510 Broadway
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2916-9694	2.80	2.80	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2916-9694	0.59	0.59	ug/Kg	U
67-66-3	Chloroform	B2916-9694	0.63	0.63	ug/Kg	U
71-43-2	Benzene	B2916-9694	0.56	0.56	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2916-9694	0.55	0.55	ug/Kg	U
74-83-9	Bromomethane	B2916-9694	0.52	0.52	ug/Kg	U
74-87-3	Chloromethane	B2916-9694	0.53	0.53	ug/Kg	U
74-95-3	Dibromomethane	B2916-9694	0.84	0.84	ug/Kg	U
74-97-5	Bromochloromethane	B2916-9694	0.61	0.61	ug/Kg	U
75-00-3	Chloroethane	B2916-9694	0.74	0.74	ug/Kg	U
75-01-4	Vinyl Chloride	B2916-9694	0.72	0.72	ug/Kg	U
75-09-2	Methylene Chloride	B2916-9694	1.00	1.00	ug/Kg	U
75-15-0	Carbon disulfide	B2916-9694	0.50	0.50	ug/Kg	U
75-25-2	Bromoform	B2916-9694	0.51	0.51	ug/Kg	U
75-27-4	Bromodichloromethane	B2916-9694	0.50	0.50	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2916-9694	0.60	0.60	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2916-9694	0.39	0.39	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2916-9694	0.93	0.93	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2916-9694	5.70	5.70	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2916-9694	0.59	0.59	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2916-9694	0.39	0.39	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2916-9694	0.55	0.55	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2916-9694	0.63	0.63	ug/Kg	U
78-93-3	2-Butanone	B2916-9694	2.40	2.40	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2916-9694	0.67	0.67	ug/Kg	U
79-01-6	Trichloroethene	B2916-9694	0.52	0.52	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2916-9694	0.64	0.64	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2916-9694	0.51	0.51	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2916-9694	0.51	0.51	ug/Kg	U
91-20-3	Naphthalene	B2916-9694	0.48	0.48	ug/Kg	U
95-47-6	o-xylene	B2916-9694	0.41	0.41	ug/Kg	U
95-49-8	2-Chlorotoluene	B2916-9694	0.56	0.56	ug/Kg	U

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2916-9694	0.50	0.50	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2916-9694	0.39	0.39	ug/Kg	U
95-93-2	1,2,4,5-Tetramethylbenzene	B2916-9694	0.42	0.69	ug/Kg	J
96-12-8	1,2-Dibromo-3-chloropropane	B2916-9694	0.49	0.49	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2916-9694	0.75	0.75	ug/Kg	U
98-06-6	tert-Butylbenzene	B2916-9694	0.56	0.56	ug/Kg	U
98-82-8	Isopropylbenzene	B2916-9694	0.47	0.47	ug/Kg	U
99-87-6	4-Isopropyltoluene	B2916-9694	0.50	0.50	ug/Kg	U
100-41-4	Ethylbenzene	B2916-9694	0.55	0.55	ug/Kg	U
100-42-5	Styrene	B2916-9694	0.46	0.46	ug/Kg	U
103-65-1	n-Propylbenzene	B2916-9694	0.49	0.49	ug/Kg	U
104-51-8	n-Butylbenzene	B2916-9694	0.51	0.51	ug/Kg	U
105-05-5	p-Diethylbenzene	B2916-9694	0.49	0.49	ug/Kg	U
106-43-4	4-Chlorotoluene	B2916-9694	0.53	0.53	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2916-9694	0.51	0.51	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2916-9694	0.63	0.63	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2916-9694	0.61	0.61	ug/Kg	U
107-13-1	Acrylonitrile	B2916-9694	7.40	7.40	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2916-9694	2.30	2.30	ug/Kg	U
108-38-3	m,p-xylene	B2916-9694	0.95	0.95	ug/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2916-9694	0.47	0.47	ug/Kg	U
108-86-1	Bromobenzene	B2916-9694	0.54	0.54	ug/Kg	U
108-88-3	Toluene	B2916-9694	0.51	0.51	ug/Kg	U
108-90-7	Chlorobenzene	B2916-9694	0.65	0.65	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2916-9694	0.68	0.68	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2916-9694	0.36	0.36	ug/Kg	U
124-48-1	Dibromochloromethane	B2916-9694	0.49	0.49	ug/Kg	U
127-18-4	Tetrachloroethene	B2916-9694	0.48	0.48	ug/Kg	U
135-98-8	sec-Butylbenzene	B2916-9694	0.48	0.48	ug/Kg	U
142-28-9	1,3-Dichloropropane	B2916-9694	0.55	0.55	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2916-9694	0.48	0.48	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2916-9694	0.49	0.49	ug/Kg	U

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Phone - 631-249-1456 Fax - 631-249-8344

09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2916-9694	0.56	0.56	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2916-9694	0.56	0.56	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2916-9694	0.63	0.63	ug/Kg	U
591-78-6	2-Hexanone	B2916-9694	2.10	2.10	ug/Kg	U
622-96-8	p-Ethyltoluene	B2916-9694	0.45	0.45	ug/Kg	U
630-20-6	1,1,1,2-Tetrachloroethane	B2916-9694	0.49	0.49	ug/Kg	U
994-05-8	TAME	B2916-9694	0.67	0.67	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2916-9694	0.55	0.55	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2916-9694	0.54	0.54	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2916-9694	0.45	0.45	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2916-9694	132.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2916-9694	100.0 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2916-9694	100.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2916-9694	101.0 %	(74 - 125)	

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2916-9695	5.60	5.60	ug/Kg	U
56-23-5	Carbon Tetrachloride	B2916-9695	1.20	1.20	ug/Kg	U
67-66-3	Chloroform	B2916-9695	1.30	1.30	ug/Kg	U
71-43-2	Benzene	B2916-9695	1.10	1.10	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2916-9695	1.10	1.10	ug/Kg	U
74-83-9	Bromomethane	B2916-9695	1.10	1.10	ug/Kg	U
74-87-3	Chloromethane	B2916-9695	1.10	1.10	ug/Kg	U
74-95-3	Dibromomethane	B2916-9695	1.70	1.70	ug/Kg	U
74-97-5	Bromochloromethane	B2916-9695	1.20	1.20	ug/Kg	U
75-00-3	Chloroethane	B2916-9695	1.50	1.50	ug/Kg	U
75-01-4	Vinyl Chloride	B2916-9695	1.50	1.50	ug/Kg	U
75-09-2	Methylene Chloride	B2916-9695	2.00	2.00	ug/Kg	U
75-15-0	Carbon disulfide	B2916-9695	1.00	1.00	ug/Kg	U
75-25-2	Bromoform	B2916-9695	1.00	1.00	ug/Kg	U
75-27-4	Bromodichloromethane	B2916-9695	1.00	1.00	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2916-9695	1.20	1.20	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2916-9695	0.80	0.80	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2916-9695	1.90	1.90	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2916-9695	12.0	12.0	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2916-9695	1.20	1.20	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2916-9695	0.80	0.80	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2916-9695	1.10	1.10	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2916-9695	1.30	1.30	ug/Kg	U
78-93-3	2-Butanone	B2916-9695	4.80	4.80	ug/Kg	U
79-00-5	1,1,2-Trichloroethane	B2916-9695	1.40	1.40	ug/Kg	U
79-01-6	Trichloroethene	B2916-9695	1.10	1.10	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2916-9695	1.30	1.30	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2916-9695	1.00	1.00	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2916-9695	1.00	1.00	ug/Kg	U
91-20-3	Naphthalene	B2916-9695	0.97	**11.0**	ug/Kg	
95-47-6	o-xylene	B2916-9695	0.84	**120**	ug/Kg	
95-49-8	2-Chlorotoluene	B2916-9695	1.10	1.10	ug/Kg	U

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2916-9696	5.60	**82.0**	ug/Kg	
56-23-5	Carbon Tetrachloride	B2916-9696	1.20	1.20	ug/Kg	U
67-66-3	Chloroform	B2916-9696	1.30	1.30	ug/Kg	U
71-43-2	Benzene	B2916-9696	1.20	1.20	ug/Kg	U
71-55-6	1,1,1-Trichloroethane	B2916-9696	1.10	1.10	ug/Kg	U
74-83-9	Bromomethane	B2916-9696	1.10	1.10	ug/Kg	U
74-87-3	Chloromethane	B2916-9696	1.10	1.10	ug/Kg	U
74-95-3	Dibromomethane	B2916-9696	1.70	1.70	ug/Kg	U
74-97-5	Bromochloromethane	B2916-9696	1.30	1.30	ug/Kg	U
75-00-3	Chloroethane	B2916-9696	1.50	1.50	ug/Kg	U
75-01-4	Vinyl Chloride	B2916-9696	1.50	1.50	ug/Kg	U
75-09-2	Methylene Chloride	B2916-9696	2.00	2.00	ug/Kg	U
75-15-0	Carbon disulfide	B2916-9696	1.00	1.00	ug/Kg	U
75-25-2	Bromoform	B2916-9696	1.00	1.00	ug/Kg	U
75-27-4	Bromodichloromethane	B2916-9696	1.00	1.00	ug/Kg	U
75-34-3	1,1-Dichloroethane	B2916-9696	1.20	1.20	ug/Kg	U
75-35-4	1,1-Dichloroethene	B2916-9696	0.80	0.80	ug/Kg	U
75-45-6	Chlorodifluoromethane	B2916-9696	1.90	1.90	ug/Kg	U
75-65-0	Tertiary butyl alcohol	B2916-9696	12.0	12.0	ug/Kg	U
75-69-4	Trichlorofluoromethane	B2916-9696	1.20	1.20	ug/Kg	U
75-71-8	Dichlorodifluoromethane	B2916-9696	0.80	0.80	ug/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2916-9696	1.10	1.10	ug/Kg	U
78-87-5	1,2-Dichloropropane	B2916-9696	1.30	1.30	ug/Kg	U
78-93-3	2-Butanone	B2916-9696	4.80	**16.0**	ug/Kg	J
79-00-5	1,1,2-Trichloroethane	B2916-9696	1.40	1.40	ug/Kg	U
79-01-6	Trichloroethene	B2916-9696	1.10	1.10	ug/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2916-9696	1.30	1.30	ug/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2916-9696	1.00	1.00	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2916-9696	1.00	1.00	ug/Kg	U
91-20-3	Naphthalene	B2916-9696	0.98	**300**	ug/Kg	
95-47-6	o-xylene	B2916-9696	0.85	**270**	ug/Kg	
95-49-8	2-Chlorotoluene	B2916-9696	1.20	1.20	ug/Kg	U

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2916-9696	1.00	1.00	ug/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2918-9720	2.00	**1160**	ug/Kg	E
95-93-2	1,2,4,5-Tetramethylbenzene	B2916-9696	0.87	**180**	ug/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	B2916-9696	1.00	1.00	ug/Kg	U
96-18-4	1,2,3-Trichloropropane	B2916-9696	1.50	1.50	ug/Kg	U
98-06-6	tert-Butylbenzene	B2916-9696	1.20	1.20	ug/Kg	U
98-82-8	Isopropylbenzene	B2916-9696	0.95	**16.0**	ug/Kg	
99-87-6	4-Isopropyltoluene	B2916-9696	1.00	**12.0**	ug/Kg	
100-41-4	Ethylbenzene	B2916-9696	1.10	**69.0**	ug/Kg	
100-42-5	Styrene	B2916-9696	0.93	0.93	ug/Kg	U
103-65-1	n-Propylbenzene	B2916-9696	1.00	**92.0**	ug/Kg	
104-51-8	n-Butylbenzene	B2916-9696	1.00	**92.0**	ug/Kg	
105-05-5	p-Diethylbenzene	B2918-9720	2.50	**490**	ug/Kg	
106-43-4	4-Chlorotoluene	B2916-9696	1.10	1.10	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2916-9696	1.00	1.00	ug/Kg	U
106-93-4	1,2-Dibromoethane	B2916-9696	1.30	1.30	ug/Kg	U
107-06-2	1,2-Dichloroethane	B2916-9696	1.30	1.30	ug/Kg	U
107-13-1	Acrylonitrile	B2916-9696	15.0	15.0	ug/Kg	U
108-10-1	4-Methyl-2-pentanone	B2916-9696	4.70	4.70	ug/Kg	U
108-38-3	m,p-xylene	B2916-9696	2.00	**420**	ug/Kg	
108-67-8	1,3,5-Trimethylbenzene	B2916-9696	0.95	**300**	ug/Kg	
108-86-1	Bromobenzene	B2916-9696	1.10	1.10	ug/Kg	U
108-88-3	Toluene	B2916-9696	1.00	**57.0**	ug/Kg	
108-90-7	Chlorobenzene	B2916-9696	1.30	1.30	ug/Kg	U
110-75-8	2-Chloroethylvinylether	B2916-9696	1.40	1.40	ug/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2916-9696	0.74	0.74	ug/Kg	U
124-48-1	Dibromochloromethane	B2916-9696	1.00	1.00	ug/Kg	U
127-18-4	Tetrachloroethene	B2916-9696	0.98	0.98	ug/Kg	U
135-98-8	sec-Butylbenzene	B2916-9696	0.98	**20.0**	ug/Kg	
142-28-9	1,3-Dichloropropane	B2916-9696	1.10	1.10	ug/Kg	U
156-59-2	c-1,2-Dichloroethene	B2916-9696	0.98	0.98	ug/Kg	U
156-60-5	t-1,2-Dichloroethene	B2916-9696	1.00	1.00	ug/Kg	U

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09/15/2009

Volatiles - EPA 8260B

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2916-9696	1.20	1.20	ug/Kg	U
563-58-6	1,1-Dichloropropene	B2916-9696	1.20	1.20	ug/Kg	U
590-20-7	2,2-Dichloropropane	B2916-9696	1.30	1.30	ug/Kg	U
591-78-6	2-Hexanone	B2916-9696	4.30	4.30	ug/Kg	U
622-96-8	p-Ethyltoluene	B2918-9720	2.30	600	ug/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	B2916-9696	1.00	1.00	ug/Kg	U
994-05-8	TAME	B2916-9696	1.40	1.40	ug/Kg	U
1634-04-4	Methyl t-butyl ether	B2916-9696	1.10	1.10	ug/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2916-9696	1.10	1.10	ug/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2916-9696	0.91	0.91	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2916-9696	132.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2916-9696	101.0 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2916-9696	59.0 %	(75 - 136)	D
2037-26-5	TOLUENE-D8	B2916-9696	105.0 %	(74 - 125)	
17060-07-0	1,2-DICHLOROETHANE-D4	B2918-9720	101.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2918-9720	97.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2918-9720	84.5 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2918-9720	99.7 %	(74 - 125)	

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3739	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3739	46.0	46.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3739	28.0	28.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3739	45.0	45.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3739	56.0	56.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3739	71.0	71.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3739	44.0	44.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3739	32.0	32.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3739	67.0	67.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3739	42.0	42.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3739	860	860	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3739	46.0	46.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3739	63.0	63.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3739	40.0	40.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3739	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2531-3739	33.0	33.0	ug/Kg	U
95-48-7	2-Methylphenol	B2531-3739	58.0	58.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3739	43.0	43.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3739	54.0	54.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2531-3739	36.0	36.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3739	70.0	70.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3739	84.0	84.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2531-3739	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2531-3739	49.0	49.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3739	53.0	53.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3739	45.0	45.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2531-3739	58.0	58.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3739	49.0	49.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3739	64.0	64.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3739	35.0	35.0	ug/Kg	U
208-96-8	Acenaphthylene	B2531-3739	38.0	38.0	ug/Kg	U
62-53-3	Aniline	B2531-3739	47.0	47.0	ug/Kg	U

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08/05/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

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08/05/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
- Acetone
- 2-Butanone
- 4-Methyl-2-pentanone
- 2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3739	33.0	33.0	ug/Kg	U
92-87-5	Benzidine	B2531-3739	76.0	76.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2531-3739	53.0	**210**	ug/Kg	J
50-32-8	Benzo(a)pyrene	B2531-3739	47.0	**210**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2531-3739	65.0	**170**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2531-3739	53.0	**130**	ug/Kg	J
207-08-9	Benzo(k)fluoranthene	B2531-3739	46.0	**200**	ug/Kg	J
65-85-0	Benzoic acid	B2531-3739	4860	4860	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3739	60.0	60.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3739	61.0	61.0	ug/Kg	U
86-74-8	Carbazole	B2531-3739	59.0	59.0	ug/Kg	U
218-01-9	Chrysene	B2531-3739	50.0	**200**	ug/Kg	J
	Cresols	B2531-3739	94.0	94.0	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3739	49.0	49.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3739	51.0	51.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2531-3739	34.0	34.0	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3739	32.0	32.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3739	57.0	57.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3739	43.0	43.0	ug/Kg	U
206-44-0	Fluoranthene	B2531-3739	48.0	**340**	ug/Kg	J
86-73-7	Fluorene	B2531-3739	41.0	41.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2531-3739	63.0	63.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3739	66.0	66.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3739	200	200	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3739	62.0	62.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2531-3739	49.0	**110**	ug/Kg	J
78-59-1	Isophorone	B2531-3739	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2531-3739	83.0	83.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2531-3739	99.0	99.0	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2531-3739	43.0	43.0	ug/Kg	U
91-20-3	Naphthalene	B2531-3739	51.0	51.0	ug/Kg	U
98-95-3	Nitrobenzene	B2531-3739	84.0	84.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-1
Client Sample ID: East Tank East Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 10:45
% Solid: 94.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3739	320	320	ug/Kg	U
85-01-8	Phenanthrene	B2531-3739	51.0	56.0	ug/Kg	J
108-95-2	Phenol	B2531-3739	68.0	68.0	ug/Kg	U
129-00-0	Pyrene	B2531-3739	43.0	320	ug/Kg	J
110-86-1	Pyridine	B2531-3739	52.0	52.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2531-3739	51.0	51.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2531-3739	35.0	35.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2531-3739	35.0	35.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3739	63.0	63.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3739	78.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3739	59.7 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3739	50.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3739	42.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3739	53.4 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3739	76.7 %	(18 - 137)	

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3744	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3744	47.0	47.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3744	28.0	28.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3744	46.0	46.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3744	57.0	57.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3744	72.0	72.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3744	45.0	45.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3744	33.0	33.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3744	68.0	68.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3744	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3744	870	870	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3744	47.0	47.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3744	64.0	64.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3744	40.0	40.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3744	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2531-3744	34.0	350	ug/Kg	J
95-48-7	2-Methylphenol	B2531-3744	58.0	58.0	ug/Kg	U
88-74-4	2-Nitroaniline	B2531-3744	44.0	44.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3744	55.0	55.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2531-3744	37.0	37.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	B2531-3744	71.0	71.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3744	85.0	85.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2531-3744	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2531-3744	50.0	50.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3744	54.0	54.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3744	46.0	46.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2531-3744	59.0	59.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3744	50.0	50.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3744	65.0	65.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3744	35.0	35.0	ug/Kg	U
208-96-8	Acenaphthylene	B2531-3744	39.0	39.0	ug/Kg	U
62-53-3	Aniline	B2531-3744	48.0	48.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3744	33.0	33.0	ug/Kg	U
92-87-5	Benzidine	B2531-3744	77.0	77.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2531-3744	54.0	**54.0**	ug/Kg	J
50-32-8	Benzo(a)pyrene	B2531-3744	48.0	**66.0**	ug/Kg	J
205-99-2	Benzo(b)fluoranthene	B2531-3744	66.0	**70.0**	ug/Kg	J
191-24-2	Benzo(g,h,i)perylene	B2531-3744	53.0	53.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2531-3744	47.0	**59.0**	ug/Kg	J
65-85-0	Benzoic acid	B2531-3744	4940	4940	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3744	61.0	61.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3744	62.0	62.0	ug/Kg	U
86-74-8	Carbazole	B2531-3744	60.0	60.0	ug/Kg	U
218-01-9	Chrysene	B2531-3744	51.0	**59.0**	ug/Kg	J
	Cresols	B2531-3744	95.0	95.0	ug/Kg	U
84-74-2	Di-n-butyl phthalate	B2531-3744	50.0	50.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3744	52.0	52.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2531-3744	35.0	35.0	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3744	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3744	58.0	58.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3744	44.0	44.0	ug/Kg	U
206-44-0	Fluoranthene	B2531-3744	49.0	**79.0**	ug/Kg	J
86-73-7	Fluorene	B2531-3744	42.0	42.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2531-3744	64.0	64.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3744	67.0	67.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3744	210	210	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3744	63.0	63.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2531-3744	50.0	50.0	ug/Kg	U
78-59-1	Isophorone	B2531-3744	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2531-3744	84.0	84.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2531-3744	100	100	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2531-3744	44.0	44.0	ug/Kg	U
91-20-3	Naphthalene	B2531-3744	51.0	**260**	ug/Kg	J
98-95-3	Nitrobenzene	B2531-3744	85.0	85.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-2
Client Sample ID: East Tank North Wall
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/03/2009

Collected: 07/24/2009 11:00
% Solid: 93%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3744	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2531-3744	52.0	52.0	ug/Kg	U
108-95-2	Phenol	B2531-3744	70.0	70.0	ug/Kg	U
129-00-0	Pyrene	B2531-3744	44.0	78.0	ug/Kg	J
110-86-1	Pyridine	B2531-3744	53.0	53.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2531-3744	52.0	52.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2531-3744	36.0	36.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2531-3744	35.0	35.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3744	64.0	64.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3744	84.0 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	B2531-3744	62.4 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3744	59.6 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	B2531-3744	47.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3744	61.0 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3744	78.8 %	(18 - 137)	

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/05/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	B2531-3740	22.0	22.0	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	B2531-3740	47.0	47.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	B2531-3740	29.0	29.0	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	B2531-3740	46.0	46.0	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	B2531-3740	58.0	58.0	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	B2531-3740	73.0	73.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	B2531-3740	45.0	45.0	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	B2531-3740	33.0	33.0	ug/Kg	U
120-83-2	2,4-Dichlorophenol	B2531-3740	69.0	69.0	ug/Kg	U
105-67-9	2,4-Dimethylphenol	B2531-3740	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	B2531-3740	880	880	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	B2531-3740	47.0	47.0	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	B2531-3740	64.0	64.0	ug/Kg	U
91-58-7	2-Chloronaphthalene	B2531-3740	41.0	41.0	ug/Kg	U
95-57-8	2-Chlorophenol	B2531-3740	32.0	32.0	ug/Kg	U
91-57-6	2-Methylnaphthalene	B2531-3740	34.0	**390**	ug/Kg	J
95-48-7	2-Methylphenol	B2531-3740	59.0	**130**	ug/Kg	J
88-74-4	2-Nitroaniline	B2531-3740	45.0	45.0	ug/Kg	U
88-75-5	2-Nitrophenol	B2531-3740	55.0	55.0	ug/Kg	U
106-44-5	3+4-Methylphenol	B2531-3740	37.0	**76.0**	ug/Kg	J
91-94-1	3,3'-Dichlorobenzidine	B2531-3740	72.0	72.0	ug/Kg	U
99-09-2	3-Nitroaniline	B2531-3740	86.0	86.0	ug/Kg	U
534-52-1	4,6-Dinitro-2-methylphenol	B2531-3740	110	110	ug/Kg	U
101-55-3	4-Bromophenyl phenyl ether	B2531-3740	50.0	50.0	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	B2531-3740	54.0	54.0	ug/Kg	U
106-47-8	4-Chloroaniline	B2531-3740	46.0	46.0	ug/Kg	U
7005-72-3	4-Chlorophenyl phenyl ether	B2531-3740	59.0	59.0	ug/Kg	U
100-01-6	4-Nitroaniline	B2531-3740	50.0	50.0	ug/Kg	U
100-02-7	4-Nitrophenol	B2531-3740	66.0	66.0	ug/Kg	U
83-32-9	Acenaphthene	B2531-3740	36.0	36.0	ug/Kg	U
208-96-8	Acenaphthylene	B2531-3740	39.0	39.0	ug/Kg	U
62-53-3	Aniline	B2531-3740	49.0	49.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/05/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	B2531-3740	34.0	34.0	ug/Kg	U
92-87-5	Benzidine	B2531-3740	78.0	78.0	ug/Kg	U
56-55-3	Benzo(a)anthracene	B2531-3740	54.0	54.0	ug/Kg	U
50-32-8	Benzo(a)pyrene	B2531-3740	48.0	48.0	ug/Kg	U
205-99-2	Benzo(b)fluoranthene	B2531-3740	66.0	66.0	ug/Kg	U
191-24-2	Benzo(g,h,i)perylene	B2531-3740	54.0	54.0	ug/Kg	U
207-08-9	Benzo(k)fluoranthene	B2531-3740	47.0	47.0	ug/Kg	U
65-85-0	Benzoic acid	B2531-3740	4980	4980	ug/Kg	U
100-51-6	Benzyl alcohol	B2531-3740	62.0	62.0	ug/Kg	U
85-68-7	Butyl benzyl phthalate	B2531-3740	62.0	62.0	ug/Kg	U
86-74-8	Carbazole	B2531-3740	61.0	61.0	ug/Kg	U
218-01-9	Chrysene	B2531-3740	51.0	51.0	ug/Kg	U
	Cresols	B2531-3740	96.0	**200**	ug/Kg	J
84-74-2	Di-n-butyl phthalate	B2531-3740	50.0	50.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	B2531-3740	52.0	52.0	ug/Kg	U
53-70-3	Dibenz(a,h)anthracene	B2531-3740	35.0	35.0	ug/Kg	U
132-64-9	Dibenzofuran	B2531-3740	33.0	33.0	ug/Kg	U
84-66-2	Diethyl phthalate	B2531-3740	58.0	58.0	ug/Kg	U
131-11-3	Dimethyl phthalate	B2531-3740	44.0	44.0	ug/Kg	U
206-44-0	Fluoranthene	B2531-3740	50.0	50.0	ug/Kg	U
86-73-7	Fluorene	B2531-3740	42.0	42.0	ug/Kg	U
118-74-1	Hexachlorobenzene	B2531-3740	65.0	65.0	ug/Kg	U
87-68-3	Hexachlorobutadiene	B2531-3740	68.0	68.0	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	B2531-3740	210	210	ug/Kg	U
67-72-1	Hexachloroethane	B2531-3740	63.0	63.0	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	B2531-3740	50.0	50.0	ug/Kg	U
78-59-1	Isophorone	B2531-3740	24.0	24.0	ug/Kg	U
621-64-7	N-Nitrosodi-n-propylamine	B2531-3740	85.0	85.0	ug/Kg	U
62-75-9	N-Nitrosodimethylamine	B2531-3740	100	100	ug/Kg	U
86-30-6	N-Nitrosodiphenylamine	B2531-3740	45.0	45.0	ug/Kg	U
91-20-3	Naphthalene	B2531-3740	52.0	**490**	ug/Kg	J
98-95-3	Nitrobenzene	B2531-3740	86.0	86.0	ug/Kg	U

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09/15/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907447-3
Client Sample ID: East Tank South Wall
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 08/03/2009
Preparation Date(s) : 08/05/2009

Collected: 07/24/2009 11:15
% Solid: 92.2%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	B2531-3740	330	330	ug/Kg	U
85-01-8	Phenanthrene	B2531-3740	53.0	53.0	ug/Kg	U
108-95-2	Phenol	B2531-3740	70.0	110	ug/Kg	J
129-00-0	Pyrene	B2531-3740	44.0	44.0	ug/Kg	U
110-86-1	Pyridine	B2531-3740	53.0	53.0	ug/Kg	U
111-91-1	bis(2-Chloroethoxy)methane	B2531-3740	52.0	52.0	ug/Kg	U
111-44-4	bis(2-Chloroethyl)ether	B2531-3740	36.0	36.0	ug/Kg	U
108-60-1	bis(2-Chloroisopropyl)ether	B2531-3740	36.0	36.0	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	B2531-3740	65.0	65.0	ug/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B2531-3740	1.8 %	(19 - 122)	D
321-60-8	2-FLUOROBIPHENYL	B2531-3740	58.1 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	B2531-3740	7.3 %	(25 - 121)	D
4165-60-0	NITROBENZENE-D5	B2531-3740	45.9 %	(23 - 120)	
13127-88-3	PHENOL-D6	B2531-3740	45.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	B2531-3740	81.2 %	(18 - 137)	

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09/15/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

0907447-3 was analyzed at a 1:2 dilution with results indicating a poor recovery of the surrogate Dibromofluoromethane and target compounds present at concentrations above the upper calibration limit. This sample was re-analyzed at a 1:5 dilution with results indicating all surrogate recoveries within limits and 1,2,4-Trimethylbenzene concentration above the upper calibration limit. Both sets of data were used in reporting, with 1,2,4-Trimethylbenzene given an E-flag qualifier.

EPA 8270 Semi-Volatiles:

Sample #3: Acid surrogates do not pass QC. The sample was re-extracted and analyzed again with acid surrogates failing. Matrix interference is indicated.

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09/15/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

Environmental Testing Laboratories, Inc.

208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Laboratory Identifier: 0907396

Received: 07/29/2009 13:11
Sampled by: Justin Keller

Client: Tyree Environmental Corp. (NY-G) (V#28741)

1 Northway Lane
Latham,
NY 12110

Project: GETTY 58014

5510 Broadway
Bronx,
NY

Manager: Jim Smith

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
PA Cert. #68-00535

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Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9678	0.0028	0.0028	mg/Kg	U
56-23-5	Carbon Tetrachloride	B2915-9678	0.00061	0.00061	mg/Kg	U
67-66-3	Chloroform	B2915-9678	0.00064	0.00064	mg/Kg	U
71-43-2	Benzene	B2915-9678	0.00058	0.00058	mg/Kg	U
71-55-6	1,1,1-Trichloroethane	B2915-9678	0.00057	0.00057	mg/Kg	U
74-83-9	Bromomethane	B2915-9678	0.00053	0.00053	mg/Kg	U
74-87-3	Chloromethane	B2915-9678	0.00055	0.00055	mg/Kg	U
74-95-3	Dibromomethane	B2915-9678	0.00086	0.00086	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9678	0.00063	0.00063	mg/Kg	U
75-00-3	Chloroethane	B2915-9678	0.00076	0.00076	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9678	0.00074	0.00074	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9678	0.0010	0.0010	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9678	0.00051	0.00051	mg/Kg	U
75-25-2	Bromoform	B2915-9678	0.00052	0.00052	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9678	0.00051	0.00051	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9678	0.00062	0.00062	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9678	0.00040	0.00040	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9678	0.00096	0.00096	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9678	0.0059	0.0059	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9678	0.00061	0.00061	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9678	0.00040	0.00040	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9678	0.00057	0.00057	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9678	0.00064	0.00064	mg/Kg	U
78-93-3	2-Butanone	B2915-9678	0.0024	0.0024	mg/Kg	U
79-00-5	1,1,2-Trichloroethane	B2915-9678	0.00069	0.00069	mg/Kg	U
79-01-6	Trichloroethene	B2915-9678	0.00053	0.00053	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9678	0.00065	0.00065	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9678	0.00052	0.00052	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9678	0.00052	0.00052	mg/Kg	U
91-20-3	Naphthalene	B2915-9678	0.00049	**0.0023**	mg/Kg	J
95-47-6	o-xylene	B2915-9678	0.00043	**0.0013**	mg/Kg	J
95-49-8	2-Chlorotoluene	B2915-9678	0.00058	0.00058	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9678	0.00051	0.00051	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2915-9678	0.00040	**0.0035**	mg/Kg	J
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9678	0.00044	**0.0013**	mg/Kg	J
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9678	0.00050	0.00050	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9678	0.00077	0.00077	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9678	0.00058	0.00058	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9678	0.00048	0.00048	mg/Kg	U
99-87-6	4-Isopropyltoluene	B2915-9678	0.00051	0.00051	mg/Kg	U
100-41-4	Ethylbenzene	B2915-9678	0.00057	0.00057	mg/Kg	U
100-42-5	Styrene	B2915-9678	0.00047	0.00047	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9678	0.00050	0.00050	mg/Kg	U
104-51-8	n-Butylbenzene	B2915-9678	0.00052	0.00052	mg/Kg	U
105-05-5	p-Diethylbenzene	B2915-9678	0.00050	0.00050	mg/Kg	U
106-43-4	4-Chlorotoluene	B2915-9678	0.00055	0.00055	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9678	0.00052	0.00052	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9678	0.00064	0.00064	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9678	0.00063	0.00063	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9678	0.0076	0.0076	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9678	0.0023	0.0023	mg/Kg	U
108-38-3	m,p-xylene	B2915-9678	0.00098	**0.0018**	mg/Kg	J
108-67-8	1,3,5-Trimethylbenzene	B2915-9678	0.00048	**0.0014**	mg/Kg	J
108-86-1	Bromobenzene	B2915-9678	0.00056	0.00056	mg/Kg	U
108-88-3	Toluene	B2915-9678	0.00052	**0.00074**	mg/Kg	J
108-90-7	Chlorobenzene	B2915-9678	0.00066	0.00066	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9678	0.00070	0.00070	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9678	0.00037	0.00037	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9678	0.00050	0.00050	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9678	0.00049	0.00049	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9678	0.00049	0.00049	mg/Kg	U
142-28-9	1,3-Dichloropropane	B2915-9678	0.00057	0.00057	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9678	0.00049	0.00049	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9678	0.00050	0.00050	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

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Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9678	0.00058	0.00058	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9678	0.00058	0.00058	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9678	0.00064	0.00064	mg/Kg	U
591-78-6	2-Hexanone	B2915-9678	0.0022	0.0022	mg/Kg	U
622-96-8	p-Ethyltoluene	B2915-9678	0.00046	**0.0026**	mg/Kg	J
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9678	0.00050	0.00050	mg/Kg	U
994-05-8	TAME	B2915-9678	0.00069	0.00069	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9678	0.00057	0.00057	mg/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2915-9678	0.00056	0.00056	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9678	0.00046	0.00046	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9678	109.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9678	95.9 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9678	113.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9678	107.0 %	(74 - 125)	

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9679	0.0027	0.0027	mg/Kg	U
56-23-5	Carbon Tetrachloride	B2915-9679	0.00058	0.00058	mg/Kg	U
67-66-3	Chloroform	B2915-9679	0.00061	0.00061	mg/Kg	U
71-43-2	Benzene	B2915-9679	0.00055	0.00055	mg/Kg	U
71-55-6	1,1,1-Trichloroethane	B2915-9679	0.00054	0.00054	mg/Kg	U
74-83-9	Bromomethane	B2915-9679	0.00050	0.00050	mg/Kg	U
74-87-3	Chloromethane	B2915-9679	0.00051	0.00051	mg/Kg	U
74-95-3	Dibromomethane	B2915-9679	0.00081	0.00081	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9679	0.00060	0.00060	mg/Kg	U
75-00-3	Chloroethane	B2915-9679	0.00072	0.00072	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9679	0.00070	0.00070	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9679	0.00097	0.00097	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9679	0.00048	0.00048	mg/Kg	U
75-25-2	Bromoform	B2915-9679	0.00049	0.00049	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9679	0.00048	0.00048	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9679	0.00059	0.00059	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9679	0.00038	0.00038	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9679	0.00091	0.00091	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9679	0.0056	0.0056	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9679	0.00058	0.00058	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9679	0.00038	0.00038	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9679	0.00054	0.00054	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9679	0.00061	0.00061	mg/Kg	U
78-93-3	2-Butanone	B2915-9679	0.0023	0.0023	mg/Kg	U
79-00-5	1,1,2-Trichloroethane	B2915-9679	0.00065	0.00065	mg/Kg	U
79-01-6	Trichloroethene	B2915-9679	0.00050	0.00050	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9679	0.00062	0.00062	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9679	0.00049	0.00049	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9679	0.00049	0.00049	mg/Kg	U
91-20-3	Naphthalene	B2915-9679	0.00046	**0.0012**	mg/Kg	J
95-47-6	o-xylene	B2915-9679	0.00040	0.00040	mg/Kg	U
95-49-8	2-Chlorotoluene	B2915-9679	0.00055	0.00055	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9679	0.00048	0.00048	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2915-9679	0.00038	**0.0013**	mg/Kg	J
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9679	0.00041	0.00041	mg/Kg	U
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9679	0.00047	0.00047	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9679	0.00073	0.00073	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9679	0.00055	0.00055	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9679	0.00045	0.00045	mg/Kg	U
99-87-6	4-Isopropyltoluene	B2915-9679	0.00048	0.00048	mg/Kg	U
100-41-4	Ethylbenzene	B2915-9679	0.00054	0.00054	mg/Kg	U
100-42-5	Styrene	B2915-9679	0.00044	0.00044	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9679	0.00047	0.00047	mg/Kg	U
104-51-8	n-Butylbenzene	B2915-9679	0.00049	0.00049	mg/Kg	U
105-05-5	p-Diethylbenzene	B2915-9679	0.00047	0.00047	mg/Kg	U
106-43-4	4-Chlorotoluene	B2915-9679	0.00051	0.00051	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9679	0.00049	0.00049	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9679	0.00061	0.00061	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9679	0.00060	0.00060	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9679	0.0072	0.0072	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9679	0.0022	0.0022	mg/Kg	U
108-38-3	m,p-xylene	B2915-9679	0.00093	0.00093	mg/Kg	U
108-67-8	1,3,5-Trimethylbenzene	B2915-9679	0.00045	0.00045	mg/Kg	U
108-86-1	Bromobenzene	B2915-9679	0.00053	0.00053	mg/Kg	U
108-88-3	Toluene	B2915-9679	0.00049	0.00049	mg/Kg	U
108-90-7	Chlorobenzene	B2915-9679	0.00063	0.00063	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9679	0.00066	0.00066	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9679	0.00035	0.00035	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9679	0.00047	0.00047	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9679	0.00046	0.00046	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9679	0.00046	0.00046	mg/Kg	U
142-28-9	1,3-Dichloropropane	B2915-9679	0.00054	0.00054	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9679	0.00046	0.00046	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9679	0.00047	0.00047	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9679	0.00055	0.00055	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9679	0.00055	0.00055	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9679	0.00061	0.00061	mg/Kg	U
591-78-6	2-Hexanone	B2915-9679	0.0020	0.0020	mg/Kg	U
622-96-8	p-Ethyltoluene	B2915-9679	0.00043	**0.00071**	mg/Kg	J
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9679	0.00047	0.00047	mg/Kg	U
994-05-8	TAME	B2915-9679	0.00065	0.00065	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9679	0.00054	0.00054	mg/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2915-9679	0.00053	0.00053	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9679	0.00043	0.00043	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9679	111.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9679	94.2 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9679	115.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9679	105.0 %	(74 - 125)	

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9680	0.0030	**0.078**	mg/Kg	
56-23-5	Carbon Tetrachloride	B2915-9680	0.00065	0.00065	mg/Kg	U
67-66-3	Chloroform	B2915-9680	0.00068	0.00068	mg/Kg	U
71-43-2	Benzene	B2915-9680	0.00061	**0.0014**	mg/Kg	J
71-55-6	1,1,1-Trichloroethane	B2915-9680	0.00060	0.00060	mg/Kg	U
74-83-9	Bromomethane	B2915-9680	0.00057	0.00057	mg/Kg	U
74-87-3	Chloromethane	B2915-9680	0.00058	0.00058	mg/Kg	U
74-95-3	Dibromomethane	B2915-9680	0.00092	0.00092	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9680	0.00067	0.00067	mg/Kg	U
75-00-3	Chloroethane	B2915-9680	0.00081	0.00081	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9680	0.00079	0.00079	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9680	0.0011	0.0011	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9680	0.00055	0.00055	mg/Kg	U
75-25-2	Bromoform	B2915-9680	0.00056	0.00056	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9680	0.00055	0.00055	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9680	0.00066	0.00066	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9680	0.00043	0.00043	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9680	0.0010	0.0010	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9680	0.0063	0.0063	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9680	0.00065	0.00065	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9680	0.00043	0.00043	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9680	0.00060	0.00060	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9680	0.00068	0.00068	mg/Kg	U
78-93-3	2-Butanone	B2915-9680	0.0026	**0.014**	mg/Kg	J
79-00-5	1,1,2-Trichloroethane	B2915-9680	0.00073	0.00073	mg/Kg	U
79-01-6	Trichloroethene	B2915-9680	0.00057	0.00057	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9680	0.00070	0.00070	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9680	0.00056	0.00056	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9680	0.00056	0.00056	mg/Kg	U
91-20-3	Naphthalene	B2915-9680	0.00052	0.00052	mg/Kg	U
95-47-6	o-xylene	B2915-9680	0.00045	**0.0039**	mg/Kg	J
95-49-8	2-Chlorotoluene	B2915-9680	0.00061	0.00061	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9680	0.00055	0.00055	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	B2915-9680	0.00043	**0.032**	mg/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9680	0.00046	**0.028**	mg/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9680	0.00053	0.00053	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9680	0.00082	0.00082	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9680	0.00061	0.00061	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9680	0.00051	**0.0015**	mg/Kg	J
99-87-6	4-Isopropyltoluene	B2915-9680	0.00055	**0.043**	mg/Kg	
100-41-4	Ethylbenzene	B2915-9680	0.00060	0.00060	mg/Kg	U
100-42-5	Styrene	B2915-9680	0.00050	0.00050	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9680	0.00053	0.00053	mg/Kg	U
104-51-8	n-Butylbenzene	B2915-9680	0.00056	**0.023**	mg/Kg	
105-05-5	p-Diethylbenzene	B2915-9680	0.00053	0.00053	mg/Kg	U
106-43-4	4-Chlorotoluene	B2915-9680	0.00058	0.00058	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9680	0.00056	0.00056	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9680	0.00068	0.00068	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9680	0.00067	0.00067	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9680	0.0081	0.0081	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9680	0.0025	0.0025	mg/Kg	U
108-38-3	m,p-xylene	B2915-9680	0.0010	**0.0044**	mg/Kg	J
108-67-8	1,3,5-Trimethylbenzene	B2915-9680	0.00051	**0.038**	mg/Kg	
108-86-1	Bromobenzene	B2915-9680	0.00059	0.00059	mg/Kg	U
108-88-3	Toluene	B2915-9680	0.00056	**0.0064**	mg/Kg	
108-90-7	Chlorobenzene	B2915-9680	0.00071	0.00071	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9680	0.00074	0.00074	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9680	0.00039	0.00039	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9680	0.00053	0.00053	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9680	0.00052	0.00052	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9680	0.00052	**0.017**	mg/Kg	
142-28-9	1,3-Dichloropropane	B2915-9680	0.00060	0.00060	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9680	0.00052	0.00052	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9680	0.00053	0.00053	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9680	0.00061	0.00061	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9680	0.00061	0.00061	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9680	0.00068	0.00068	mg/Kg	U
591-78-6	2-Hexanone	B2915-9680	0.0023	0.0023	mg/Kg	U
622-96-8	p-Ethyltoluene	B2915-9680	0.00049	**0.039**	mg/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9680	0.00053	0.00053	mg/Kg	U
994-05-8	TAME	B2915-9680	0.00073	0.00073	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9680	0.00060	0.00060	mg/Kg	U
10061-01-5	c-1,3-Dichloropropene	B2915-9680	0.00059	0.00059	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9680	0.00049	0.00049	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9680	118.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9680	78.8 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9680	112.0 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9680	107.0 %	(74 - 125)	

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Type: Grab

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
67-64-1	Acetone	B2915-9681	0.015	**0.10**	mg/Kg	J
56-23-5	Carbon Tetrachloride	B2915-9681	0.0032	0.0032	mg/Kg	U
67-66-3	Chloroform	B2915-9681	0.0033	0.0033	mg/Kg	U
71-43-2	Benzene	B2915-9681	0.0030	**0.59**	mg/Kg	
71-55-6	1,1,1-Trichloroethane	B2915-9681	0.0029	0.0029	mg/Kg	U
74-83-9	Bromomethane	B2915-9681	0.0028	0.0028	mg/Kg	U
74-87-3	Chloromethane	B2915-9681	0.0028	0.0028	mg/Kg	U
74-95-3	Dibromomethane	B2915-9681	0.0045	0.0045	mg/Kg	U
74-97-5	Bromochloromethane	B2915-9681	0.0033	0.0033	mg/Kg	U
75-00-3	Chloroethane	B2915-9681	0.0040	0.0040	mg/Kg	U
75-01-4	Vinyl Chloride	B2915-9681	0.0038	0.0038	mg/Kg	U
75-09-2	Methylene Chloride	B2915-9681	0.0053	0.0053	mg/Kg	U
75-15-0	Carbon disulfide	B2915-9681	0.0027	0.0027	mg/Kg	U
75-25-2	Bromoform	B2915-9681	0.0027	0.0027	mg/Kg	U
75-27-4	Bromodichloromethane	B2915-9681	0.0027	0.0027	mg/Kg	U
75-34-3	1,1-Dichloroethane	B2915-9681	0.0032	0.0032	mg/Kg	U
75-35-4	1,1-Dichloroethene	B2915-9681	0.0021	0.0021	mg/Kg	U
75-45-6	Chlorodifluoromethane	B2915-9681	0.0050	0.0050	mg/Kg	U
75-65-0	Tertiary butyl alcohol	B2915-9681	0.031	0.031	mg/Kg	U
75-69-4	Trichlorofluoromethane	B2915-9681	0.0032	0.0032	mg/Kg	U
75-71-8	Dichlorodifluoromethane	B2915-9681	0.0021	0.0021	mg/Kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	B2915-9681	0.0029	0.0029	mg/Kg	U
78-87-5	1,2-Dichloropropane	B2915-9681	0.0033	0.0033	mg/Kg	U
78-93-3	2-Butanone	B2915-9681	0.013	0.013	mg/Kg	U
79-00-5	1,1,2-Trichloroethane	B2915-9681	0.0036	0.0036	mg/Kg	U
79-01-6	Trichloroethene	B2915-9681	0.0028	0.0028	mg/Kg	U
79-34-5	1,1,2,2-Tetrachloroethane	B2915-9681	0.0034	0.0034	mg/Kg	U
87-61-6	1,2,3-Trichlorobenzene	B2915-9681	0.0027	0.0027	mg/Kg	U
87-68-3	Hexachlorobutadiene	B2915-9681	0.0027	0.0027	mg/Kg	U
91-20-3	Naphthalene	B2915-9681	0.0025	**0.031**	mg/Kg	
95-47-6	o-xylene	C3314-7967	0.053	**7.47**	mg/Kg	
95-49-8	2-Chlorotoluene	B2915-9681	0.0030	0.0030	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil
Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
95-50-1	1,2-Dichlorobenzene	B2915-9681	0.0027	0.0027	mg/Kg	U
95-63-6	1,2,4-Trimethylbenzene	C3314-7967	0.062	**5.54**	mg/Kg	
95-93-2	1,2,4,5-Tetramethylbenzene	B2915-9681	0.0023	**0.030**	mg/Kg	
96-12-8	1,2-Dibromo-3-chloropropane	B2915-9681	0.0026	0.0026	mg/Kg	U
96-18-4	1,2,3-Trichloropropane	B2915-9681	0.0040	0.0040	mg/Kg	U
98-06-6	tert-Butylbenzene	B2915-9681	0.0030	0.0030	mg/Kg	U
98-82-8	Isopropylbenzene	B2915-9681	0.0025	**0.11**	mg/Kg	
99-87-6	4-Isopropyltoluene	B2915-9681	0.0027	**0.0080**	mg/Kg	J
100-41-4	Ethylbenzene	C3314-7967	0.058	**3.97**	mg/Kg	
100-42-5	Styrene	B2915-9681	0.0024	0.0024	mg/Kg	U
103-65-1	n-Propylbenzene	B2915-9681	0.0026	**0.30**	mg/Kg	
104-51-8	n-Butylbenzene	B2915-9681	0.0027	**0.028**	mg/Kg	J
105-05-5	p-Diethylbenzene	B2915-9681	0.0026	**0.12**	mg/Kg	
106-43-4	4-Chlorotoluene	B2915-9681	0.0028	0.0028	mg/Kg	U
106-46-7	1,4-Dichlorobenzene	B2915-9681	0.0027	0.0027	mg/Kg	U
106-93-4	1,2-Dibromoethane	B2915-9681	0.0033	0.0033	mg/Kg	U
107-06-2	1,2-Dichloroethane	B2915-9681	0.0033	0.0033	mg/Kg	U
107-13-1	Acrylonitrile	B2915-9681	0.040	0.040	mg/Kg	U
108-10-1	4-Methyl-2-pentanone	B2915-9681	0.012	0.012	mg/Kg	U
108-38-3	m,p-xylene	C3314-7967	0.12	**20.0**	mg/Kg	
108-67-8	1,3,5-Trimethylbenzene	B2915-9681	0.0025	**0.50**	mg/Kg	
108-86-1	Bromobenzene	B2915-9681	0.0029	0.0029	mg/Kg	U
108-88-3	Toluene	C3314-7967	0.064	**14.6**	mg/Kg	
108-90-7	Chlorobenzene	B2915-9681	0.0035	0.0035	mg/Kg	U
110-75-8	2-Chloroethylvinylether	B2915-9681	0.0036	0.0036	mg/Kg	U
120-82-1	1,2,4-Trichlorobenzene	B2915-9681	0.0019	0.0019	mg/Kg	U
124-48-1	Dibromochloromethane	B2915-9681	0.0026	0.0026	mg/Kg	U
127-18-4	Tetrachloroethene	B2915-9681	0.0025	0.0025	mg/Kg	U
135-98-8	sec-Butylbenzene	B2915-9681	0.0025	**0.015**	mg/Kg	J
142-28-9	1,3-Dichloropropane	B2915-9681	0.0029	0.0029	mg/Kg	U
156-59-2	c-1,2-Dichloroethene	B2915-9681	0.0025	0.0025	mg/Kg	U
156-60-5	t-1,2-Dichloroethene	B2915-9681	0.0026	0.0026	mg/Kg	U

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08/05/2009

Volatiles - EPA 8260B

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks: See Case Narrative
Analyzed Date: 07/30/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
541-73-1	1,3-Dichlorobenzene	B2915-9681	0.0030	0.0030	mg/Kg	U
563-58-6	1,1-Dichloropropene	B2915-9681	0.0030	0.0030	mg/Kg	U
590-20-7	2,2-Dichloropropane	B2915-9681	0.0033	0.0033	mg/Kg	U
591-78-6	2-Hexanone	B2915-9681	0.011	0.011	mg/Kg	U
622-96-8	p-Ethyltoluene	C3314-7967	0.055	**5.76**	mg/Kg	
630-20-6	1,1,1,2-Tetrachloroethane	B2915-9681	0.0026	0.0026	mg/Kg	U
994-05-8	TAME	B2915-9681	0.0036	0.0036	mg/Kg	U
1634-04-4	Methyl t-butyl ether	B2915-9681	0.0029	**0.072**	mg/Kg	
10061-01-5	c-1,3-Dichloropropene	B2915-9681	0.0029	0.0029	mg/Kg	U
10061-02-6	t-1,3-Dichloropropene	B2915-9681	0.0024	0.0024	mg/Kg	U

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	B2915-9681	110.0 %	(69 - 134)	
460-00-4	4-BROMOFLUOROBENZENE	B2915-9681	95.1 %	(74 - 123)	
4774-33-8	DIBROMOFLUOROMETHANE	B2915-9681	82.8 %	(75 - 136)	
2037-26-5	TOLUENE-D8	B2915-9681	103.0 %	(74 - 125)	
17060-07-0	1,2-DICHLOROETHANE-D4	C3314-7967	115.0 %	(68 - 173)	
460-00-4	4-BROMOFLUOROBENZENE	C3314-7967	104.0 %	(77 - 131)	
4774-33-8	DIBROMOFLUOROMETHANE	C3314-7967	127.0 %	(75 - 159)	
2037-26-5	TOLUENE-D8	C3314-7967	98.6 %	(74 - 136)	

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1123	45.2	45.2	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1123	33.6	33.6	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2275-1123	32.8	32.8	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1123	36.5	36.5	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1123	35.4	35.4	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1123	43.0	43.0	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1123	23.6	23.6	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1123	40.8	40.8	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1123	35.6	35.6	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1123	45.4	45.4	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1123	382	382	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1123	65.1	65.1	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1123	44.7	44.7	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1123	52.3	52.3	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1123	52.3	52.3	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1123	43.1	43.1	ug/Kg	U
95-48-7	2-Methylphenol(o-Cresol)	C2275-1123	38.9	38.9	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1123	56.6	56.6	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1123	33.0	33.0	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1123	33.6	33.6	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1123	52.3	52.3	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1123	18.7	18.7	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2275-1123	474	474	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2275-1123	49.3	49.3	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1123	40.5	40.5	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1123	41.4	41.4	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1123	42.2	42.2	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1123	106	106	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1123	724	724	ug/Kg	U
83-32-9	Acenaphthene	C2275-1123	45.7	45.7	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1123	37.4	37.4	ug/Kg	U
62-53-3	Aniline	C2275-1123	33.8	33.8	ug/Kg	U

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2275-1123	48.3	48.3	ug/Kg	U
92-87-5	Benzidine	C2275-1123	953	953	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1123	45.9	**58.3**	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2275-1123	56.6	**64.6**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	C2275-1123	45.1	**58.6**	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2275-1123	83.0	**282**	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1123	82.6	82.6	ug/Kg	U
65-85-0	Benzoic acid	C2275-1123	6360	6360	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1123	64.1	64.1	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1123	57.3	57.3	ug/Kg	U
86-74-8	Carbazole	C2275-1123	62.5	62.5	ug/Kg	U
218-01-9	Chrysene	C2275-1123	57.4	**67.5**	ug/Kg	J
	Cresol (total)	C2275-1123	72.5	72.5	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2275-1123	61.1	61.1	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1123	53.4	53.4	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	C2275-1123	60.6	**310**	ug/Kg	J
132-64-9	Dibenzofuran	C2275-1123	36.3	36.3	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1123	71.0	71.0	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1123	52.4	52.4	ug/Kg	U
206-44-0	Fluoranthene	C2275-1123	59.8	**112**	ug/Kg	J
86-73-7	Fluorene	C2275-1123	43.6	43.6	ug/Kg	U
118-74-1	Hexachlorobenzene	C2275-1123	46.5	46.5	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1123	43.4	43.4	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1123	336	336	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1123	48.3	48.3	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1123	50.2	**304**	ug/Kg	J
78-59-1	Isophorone	C2275-1123	49.6	49.6	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1123	32.8	32.8	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1123	68.9	68.9	ug/Kg	U
86-30-6	Diphenylnitrosamine	C2275-1123	59.2	59.2	ug/Kg	U
91-20-3	Naphthalene	C2275-1123	43.6	43.6	ug/Kg	U
98-95-3	Nitrobenzene	C2275-1123	42.0	42.0	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-1
Client Sample ID: Piping Run North
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 08:45
% Solid: 92.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2275-1123	412	412	ug/Kg	U
85-01-8	Phenanthrene	C2275-1123	49.4	**61.2**	ug/Kg	J
108-95-2	Phenol	C2275-1123	28.3	28.3	ug/Kg	U
129-00-0	Pyrene	C2275-1123	40.2	**97.5**	ug/Kg	J
110-86-1	Pyridine	C2275-1123	62.2	62.2	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1123	45.0	45.0	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1123	51.4	51.4	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1123	39.8	39.8	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1123	71.1	**442**	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1123	81.6 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1123	68.1 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1123	50.7 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1123	51.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1123	57.1 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1123	74.6 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1124	42.8	42.8	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1124	31.8	31.8	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2275-1124	31.1	31.1	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1124	34.6	34.6	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1124	33.6	33.6	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1124	40.8	40.8	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1124	22.3	22.3	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1124	38.7	38.7	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1124	33.8	33.8	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1124	43.0	43.0	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1124	363	363	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1124	61.8	61.8	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1124	42.4	42.4	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1124	49.6	49.6	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1124	49.6	49.6	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1124	40.9	40.9	ug/Kg	U
95-48-7	2-Methylphenol(o-Cresol)	C2275-1124	36.9	36.9	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1124	53.7	53.7	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1124	31.3	31.3	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1124	31.8	31.8	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1124	49.6	49.6	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1124	17.7	17.7	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2275-1124	450	450	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2275-1124	46.8	46.8	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1124	38.4	38.4	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1124	39.2	39.2	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1124	40.1	40.1	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1124	101	101	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1124	687	687	ug/Kg	U
83-32-9	Acenaphthene	C2275-1124	43.4	43.4	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1124	35.4	35.4	ug/Kg	U
62-53-3	Aniline	C2275-1124	32.0	32.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2275-1124	45.8	45.8	ug/Kg	U
92-87-5	Benzidine	C2275-1124	904	904	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1124	43.6	**64.6**	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2275-1124	53.7	**95.9**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	C2275-1124	42.7	**86.5**	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2275-1124	78.7	**286**	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1124	78.4	**88.1**	ug/Kg	J
65-85-0	Benzoic acid	C2275-1124	6040	6040	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1124	60.8	60.8	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1124	54.4	54.4	ug/Kg	U
86-74-8	Carbazole	C2275-1124	59.3	59.3	ug/Kg	U
218-01-9	Chrysene	C2275-1124	54.5	**78.7**	ug/Kg	J
	Cresol (total)	C2275-1124	68.7	68.7	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2275-1124	58.0	58.0	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1124	50.7	50.7	ug/Kg	U
53-70-3	Dibenzo[a,h]anthracene	C2275-1124	57.5	**300**	ug/Kg	J
132-64-9	Dibenzofuran	C2275-1124	34.4	34.4	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1124	67.4	67.4	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1124	49.7	49.7	ug/Kg	U
206-44-0	Fluoranthene	C2275-1124	56.7	**92.1**	ug/Kg	J
86-73-7	Fluorene	C2275-1124	41.4	41.4	ug/Kg	U
118-74-1	Hexachlorobenzene	C2275-1124	44.1	44.1	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1124	41.2	41.2	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1124	318	318	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1124	45.8	45.8	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1124	47.6	**309**	ug/Kg	J
78-59-1	Isophorone	C2275-1124	47.1	47.1	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1124	31.1	31.1	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1124	65.4	65.4	ug/Kg	U
86-30-6	Diphenylnitrosamine	C2275-1124	56.1	56.1	ug/Kg	U
91-20-3	Naphthalene	C2275-1124	41.4	41.4	ug/Kg	U
98-95-3	Nitrobenzene	C2275-1124	39.9	39.9	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-2
Client Sample ID: Piping Run South
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 07/31/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 09:00
% Solid: 97.1%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2275-1124	390	390	ug/Kg	U
85-01-8	Phenanthrene	C2275-1124	46.9	46.9	ug/Kg	U
108-95-2	Phenol	C2275-1124	26.9	26.9	ug/Kg	U
129-00-0	Pyrene	C2275-1124	38.1	91.6	ug/Kg	J
110-86-1	Pyridine	C2275-1124	59.0	59.0	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1124	42.6	42.6	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1124	48.7	48.7	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1124	37.8	37.8	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1124	67.5	322	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1124	74.8 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1124	69.4 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1124	59.7 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1124	61.5 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1124	63.7 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1124	73.5 %	(18 - 137)	

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1125	48.1	48.1	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1125	35.7	35.7	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2276-1137	140	140	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1125	38.8	38.8	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1125	37.7	37.7	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1125	45.8	45.8	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1125	25.1	25.1	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1125	43.5	43.5	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1125	37.9	37.9	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1125	48.3	48.3	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1125	407	407	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1125	69.4	69.4	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1125	47.6	47.6	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1125	55.7	55.7	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1125	55.7	55.7	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1125	45.9	45.9	ug/Kg	U
95-48-7	2-Methylphenol(o-Cresol)	C2275-1125	41.4	41.4	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1125	60.2	60.2	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1125	35.1	35.1	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1125	35.7	35.7	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1125	55.7	55.7	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1125	19.9	19.9	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2276-1137	2020	2020	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2276-1137	210	210	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1125	43.1	43.1	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1125	44.0	44.0	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1125	45.0	45.0	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1125	113	113	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1125	771	771	ug/Kg	U
83-32-9	Acenaphthene	C2275-1125	48.7	48.7	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1125	39.8	39.8	ug/Kg	U
62-53-3	Aniline	C2275-1125	36.0	36.0	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2276-1137	206	206	ug/Kg	U
92-87-5	Benzidine	C2275-1125	1020	1020	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1125	48.9	48.9	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2275-1125	60.2	60.2	ug/Kg	U
205-99-2	3,4-Benzofluoranthene	C2275-1125	48.0	48.0	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2275-1125	88.3	289	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1125	88.0	88.0	ug/Kg	U
65-85-0	Benzoic acid	C2275-1125	6770	6770	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1125	68.2	68.2	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1125	61.0	61.0	ug/Kg	U
86-74-8	Carbazole	C2276-1137	266	266	ug/Kg	U
218-01-9	Chrysene	C2275-1125	61.2	241	ug/Kg	J
	Cresol (total)	C2275-1125	77.1	77.1	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2276-1137	260	260	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1125	56.9	398	ug/Kg	J
53-70-3	Dibenzo[a,h]anthracene	C2275-1125	64.5	64.5	ug/Kg	U
132-64-9	Dibenzofuran	C2275-1125	38.6	38.6	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1125	75.6	75.6	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1125	55.8	55.8	ug/Kg	U
206-44-0	Fluoranthene	C2276-1137	255	255	ug/Kg	U
86-73-7	Fluorene	C2275-1125	46.5	46.5	ug/Kg	U
118-74-1	Hexachlorobenzene	C2276-1137	198	198	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1125	46.2	46.2	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1125	357	357	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1125	51.4	51.4	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1125	53.4	53.4	ug/Kg	U
78-59-1	Isophorone	C2275-1125	52.8	52.8	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1125	34.9	34.9	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1125	73.4	73.4	ug/Kg	U
86-30-6	Diphenylnitrosamine	C2276-1137	252	252	ug/Kg	U
91-20-3	Naphthalene	C2275-1125	46.5	46.5	ug/Kg	U
98-95-3	Nitrobenzene	C2275-1125	44.7	44.7	ug/Kg	U

Environmental Testing Laboratories, Inc.
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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-3
Client Sample ID: South Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:00
% Solid: 86.5%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2276-1137	1750	1750	ug/Kg	U
85-01-8	Phenanthrene	C2276-1137	210	210	ug/Kg	U
108-95-2	Phenol	C2275-1125	30.2	30.2	ug/Kg	U
129-00-0	Pyrene	C2275-1125	42.8	**1160**	ug/Kg	
110-86-1	Pyridine	C2275-1125	66.2	66.2	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1125	47.9	47.9	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1125	54.7	54.7	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1125	42.4	42.4	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1125	75.7	**974**	ug/Kg	

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1125	28.3 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1125	106.0 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1125	59.9 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1125	59.4 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1125	62.3 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1125	32.5 %	(18 - 137)	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-82-1	1,2,4-Trichlorobenzene	C2275-1126	94.2	94.2	ug/Kg	U
95-50-1	1,2-Dichlorobenzene	C2275-1126	70.0	70.0	ug/Kg	U
122-66-7	1,2-Diphenylhydrazine	C2275-1126	68.4	68.4	ug/Kg	U
541-73-1	1,3-Dichlorobenzene	C2275-1126	76.1	76.1	ug/Kg	U
106-46-7	1,4-Dichlorobenzene	C2275-1126	73.8	73.8	ug/Kg	U
58-90-2	2,3,4,6-Tetrachlorophenol	C2275-1126	89.7	89.7	ug/Kg	U
95-95-4	2,4,5-Trichlorophenol	C2275-1126	49.2	49.2	ug/Kg	U
88-06-2	2,4,6-Trichlorophenol	C2275-1126	85.2	85.2	ug/Kg	U
120-83-2	2,4-Dichlorophenol	C2275-1126	74.3	74.3	ug/Kg	U
105-67-9	2,4-Dimethylphenol	C2275-1126	94.7	94.7	ug/Kg	U
51-28-5	2,4-Dinitrophenol	C2275-1126	797	797	ug/Kg	U
121-14-2	2,4-Dinitrotoluene	C2275-1126	136	136	ug/Kg	U
606-20-2	2,6-Dinitrotoluene	C2275-1126	93.3	93.3	ug/Kg	U
91-58-7	2-Chloronaphthalene	C2275-1126	109	109	ug/Kg	U
95-57-8	2-Chlorophenol	C2275-1126	109	109	ug/Kg	U
91-57-6	2-Methylnaphthalene	C2275-1126	89.9	969	ug/Kg	J
95-48-7	2-Methylphenol(o-Cresol)	C2275-1126	81.1	81.1	ug/Kg	U
88-74-4	2-Nitroaniline	C2275-1126	118	118	ug/Kg	U
88-75-5	2-Nitrophenol	C2275-1126	68.9	68.9	ug/Kg	U
106-44-5	3+4-Methylphenol(m,p-Cresol)	C2275-1126	70.0	70.0	ug/Kg	U
91-94-1	3,3'-Dichlorobenzidine	C2275-1126	109	109	ug/Kg	U
99-09-2	3-Nitroaniline	C2275-1126	39.0	39.0	ug/Kg	U
534-52-1	4,6-Dinitro-o-cresol	C2275-1126	990	990	ug/Kg	U
101-55-3	4-Bromophenylphenyl ether	C2275-1126	103	103	ug/Kg	U
59-50-7	4-Chloro-3-methylphenol	C2275-1126	84.5	84.5	ug/Kg	U
106-47-8	4-Chloroaniline	C2275-1126	86.3	86.3	ug/Kg	U
7005-72-3	4-Chlorophenylphenyl ether	C2275-1126	88.1	88.1	ug/Kg	U
100-01-6	4-Nitroaniline	C2275-1126	222	222	ug/Kg	U
100-02-7	4-Nitrophenol	C2275-1126	1510	1510	ug/Kg	U
83-32-9	Acenaphthene	C2275-1126	95.4	95.4	ug/Kg	U
208-96-8	Acenaphthylene	C2275-1126	77.9	120	ug/Kg	J
62-53-3	Aniline	C2275-1126	70.4	70.4	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

Sample: 0907396-4
Client Sample ID: North Dispenser
Matrix: Soil Type: Grab
Remarks:
Analyzed Date: 08/01/2009
Preparation Date(s) : 07/31/2009

Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
120-12-7	Anthracene	C2275-1126	101	**160**	ug/Kg	J
92-87-5	Benzidine	C2275-1126	1990	1990	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2275-1126	95.8	**673**	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2275-1126	118	**822**	ug/Kg	J
205-99-2	3,4-Benzofluoranthene	C2275-1126	94.0	**690**	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2275-1126	173	**964**	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2275-1126	172	**702**	ug/Kg	J
65-85-0	Benzoic acid	C2275-1126	13300	13300	ug/Kg	U
100-51-6	Benzyl alcohol	C2275-1126	134	134	ug/Kg	U
85-68-7	Butyl benzyl phthalate	C2275-1126	120	**639**	ug/Kg	J
86-74-8	Carbazole	C2275-1126	130	130	ug/Kg	U
218-01-9	Chrysene	C2275-1126	120	**739**	ug/Kg	J
	Cresol (total)	C2275-1126	151	151	ug/Kg	U
84-74-2	Di-n-butyl phthalate	C2275-1126	128	128	ug/Kg	U
117-84-0	Di-n-octyl phthalate	C2275-1126	111	**597**	ug/Kg	J
53-70-3	Dibenzo[a,h]anthracene	C2275-1126	126	**787**	ug/Kg	J
132-64-9	Dibenzofuran	C2275-1126	75.7	75.7	ug/Kg	U
84-66-2	Diethyl phthalate	C2275-1126	148	148	ug/Kg	U
131-11-3	Dimethyl phthalate	C2275-1126	109	109	ug/Kg	U
206-44-0	Fluoranthene	C2275-1126	125	**1080**	ug/Kg	J
86-73-7	Fluorene	C2275-1126	91.1	91.1	ug/Kg	U
118-74-1	Hexachlorobenzene	C2275-1126	96.9	96.9	ug/Kg	U
87-68-3	Hexachlorobutadiene	C2275-1126	90.6	90.6	ug/Kg	U
77-47-4	Hexachlorocyclopentadiene	C2275-1126	700	700	ug/Kg	U
67-72-1	Hexachloroethane	C2275-1126	101	101	ug/Kg	U
193-39-5	Indeno[1,2,3-cd]pyrene	C2275-1126	105	**991**	ug/Kg	J
78-59-1	Isophorone	C2275-1126	104	104	ug/Kg	U
621-64-7	Di-n-propylnitrosamine	C2275-1126	68.4	68.4	ug/Kg	U
62-75-9	n-Nitrosodimethylamine	C2275-1126	144	144	ug/Kg	U
88-30-6	Diphenylnitrosamine	C2275-1126	123	123	ug/Kg	U
91-20-3	Naphthalene	C2275-1126	91.1	**1430**	ug/Kg	
98-95-3	Nitrobenzene	C2275-1126	87.7	87.7	ug/Kg	U

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08/05/2009

Semivolatile Compounds - EPA 8270C

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Analyzed Date: 08/01/2009
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Collected: 07/29/2009 10:15
% Solid: 88.3%

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration*	Units	Q
87-86-5	Pentachlorophenol	C2275-1126	858	858	ug/Kg	U
85-01-8	Phenanthrene	C2275-1126	103	**407**	ug/Kg	J
108-95-2	Phenol	C2275-1126	59.1	59.1	ug/Kg	U
129-00-0	Pyrene	C2275-1126	83.8	**1010**	ug/Kg	J
110-86-1	Pyridine	C2275-1126	130	130	ug/Kg	U
111-91-1	bis(2-chloroethoxy)methane	C2275-1126	93.8	93.8	ug/Kg	U
111-44-4	bis(2-chloroethyl)ether	C2275-1126	107	107	ug/Kg	U
108-60-1	bis(2-chloroisopropyl)ether	C2275-1126	83.1	83.1	ug/Kg	U
117-81-7	bis(2-Ethylhexyl)phthalate	C2275-1126	148	**769**	ug/Kg	J

* Results are reported on a dry weight basis

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2275-1126	52.2 %	(19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2275-1126	65.8 %	(30 - 115)	
367-12-4	2-FLUOROPHENOL	C2275-1126	46.4 %	(25 - 121)	
4165-60-0	NITROBENZENE-D5	C2275-1126	54.7 %	(23 - 120)	
13127-88-3	PHENOL-D6	C2275-1126	58.6 %	(24 - 113)	
1718-51-0	TERPHENYL-D14	C2275-1126	86.3 %	(18 - 137)	

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08/05/2009

Case Narrative

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100, 150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

EPA 8270 Semi-Volatiles:

Sample 3: The internal standard Phenanthrene -d10 did not pass QC in the undiluted extract. The sample was re-analyzed at a 4X dilution in order to minimize matrix interference. All compounds associated with this internal standard are reported from the 4X dilution.

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08/05/2009

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected

From: Rui Feng
To: Kotch, Jennifer; Tibbe, Mark
CC: Brevdo, Vadim; Fisher, Brad; Tibbe, Mark
Date: 7/7/2010 12:38 PM
Subject: Re: Getty 58014, 5510 Broadway (Spill No. 95-08277) - comments on SIR

Jennifer,
We reviewed the SIR for the soil boring installation and we have some comments.

1) According to the Tank Closure Report submitted by Getty Marketing, the ghost tank, which they found beneath the removed three 4,000 gallon USTs and the concrete pad, was left in place. In your report, it only mentioned that Getty Marketing observed the ghost tank. The ghost tank was not removed by Getty Marketing. Has Getty Properties removed or abandoned the tank properly? If the tank is still there, it needs to be removed or abandoned properly.

2) The ghost tank is not registered, please register it properly with our PBS unit.

3) The whole punch 550's located in the east portion of the site that you claimed being removed are not registered either. The PBS number we checked is 2-153532. Is there any other PBS number associated with this site?

4) You guys talked about resolving the issue with Marketing internally in the last meeting. Honestly, we don't want to get involve into your internal issues, but someone needs to take care of site problems. If no one is willing to do this, we will initiate a legal case to go after whoever we will go after.

June

>>> "Jennifer Kotch" <JKotch@tyreeorg.com> 4/30/2010 3:08 PM >>>
Hello,

Please see the attached Subsurface Investigation Report for the above-mentioned site. Feel free to contact me with any questions.

Regards,

Jennifer R. Kotch
Project Manager - ESIII
Tyree
1 Northway Lane
Latham, New York, 12110
Tel: (518) 786-3200 x202
Fax: (518) 786-7351
Cell: (518) 378-5096

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to the Petroleum Industry!

From: "Tom Franco" <TFranco@tyreeorg.com>
To: "June Feng" <rjfeng@gw.dec.state.ny.us>
CC: "Brad Fisher" <Brad.Fisher@anteagroup.com>, "Jon Curran" <Jonathan.Curr...
Date: 1/31/2012 2:25 PM
Subject: Former Getty S/S#58014 (Sp.#9311138) 4Q2011 QMR
Attachments: Report.sp.9311138.01.2012.GPC#58014.monitoring.pdf

June,

Attached you will find the 4th Quarter 2011 Quarterly Monitoring Report for Former Getty Service Station #58014 located at 5510 Broadway, Bronx, New York for your review.

Of note:

Tyree, on behalf of Getty, respectfully requests the approval of the NYSDEC to abandon the following monitoring wells due to either low or consistently decreasing groundwater concentrations: MW-5, MW-6, MW-7, MW-11, MW-12, and MW-13. With NYSDEC approval, these wells will be abandoned following correct NYSDEC standards and procedures and a final Well Abandonment Report will be submitted.

If you should have any questions, please feel free to contact me.

Thank you,
Tom Franco

Thomas D. Franco
Environmental Project Manager
Tyree Environmental Corporation
125 Commerce Drive
Brookfield, Connecticut 06804
T: (203) 740-8200 x: 222
F: (203) 740-0450
C: (774) 248-4181
tfranco@tyreeorg.com

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QUARTERLY MONITORING REPORT

FORMER GETTY SERVICE STATION #58014

5510 Broadway
Bronx, New York
Bronx County

NYSDEC Spill #93-11138
Tyree Project #2120020-422

Report Prepared For:

Mr. Brad Fisher
Antea Group, on behalf of Getty Properties Corp.
500 Summit Lake Drive, Suite 150
Valhalla, New York 10595

Report Prepared By:

Tyree Environmental Corp.
125 Commerce Drive
Brookfield, Connecticut 06804

REPORTING PERIOD – OCTOBER 2011 THROUGH DECEMBER 2011

INTRODUCTION

This Quarterly Monitoring Report (QMR) has been prepared by Tyree Environmental Corp. (Tyree), on behalf of Getty Properties Corp. (Getty), to summarize the groundwater sampling and gauging conducted at the subject site (former Service Station) in accordance with the requirements set forth by the New York State Department of Environmental Conservation (NYSDEC) regarding spill number 93-11138. A map depicting the current site layout is included in **Figure 1**.

SITE HISTORY

In May 1993, Giles Engineering Associates, Inc. (Giles) was retained by the Taco Bell Corporation to conduct a Geotechnical Engineering Exploration and Limited Volatile Organic Compound (VOC) Presence Study at the adjacent Popeye's Restaurant (Popeye's) located at 5530 Broadway Avenue, Bronx, New York. Seven soil borings (B-1 through B-7) were completed with the soil boring depths ranging from approximately 11 to 21 feet below grade

surface (bgs). As part of the Limited VOC Presence Study, soil and groundwater samples were collected from each boring location for laboratory analysis. Giles reported that elevated levels of benzene, toluene, ethylbenzene and total xylenes (BTEX) were detected in the soil and water samples collected from soil boring B-6.

In December 1993, Unico Environmental Inc. (Unico) was retained by Quick Quality Restaurants Inc. to conduct a Subsurface Investigation at the adjacent Popeye's. As part of the investigation, Unico installed three monitoring wells (UW-1 through UW-3) to depths ranging from 12.5 to 24 feet bgs. Soil and groundwater samples were collected from each location for laboratory analysis. Unico reported that elevated levels of aromatic hydrocarbons were detected in groundwater samples collected from monitoring wells UW-1 and UW-2. On December 14, 1993, the NYSDEC Region II issued spill number 93-11138 upon being notified of a tank test failure at the former Service Station property.

In July 1994, Tyree was retained by Getty to complete an environmental site investigation and report for the former Service Station property. As part of the July 1994 investigation, Tyree installed five groundwater monitoring wells (MW-1 through MW-6). Each location was completed to a depth of approximately 20 feet bgs. Soil and groundwater samples were collected from each location for laboratory analysis. Tyree reported that elevated levels of hydrocarbons were detected in the soil and groundwater samples collected from monitoring wells MW-1 through MW-5.

On February 22 and February 23, 1995, Tyree conducted a soil vapor extraction (SVE) influence pilot test using monitoring wells MW-2, MW-3 and MW-6 as extraction points. The pilot test was conducted using a 2 horse power (hp) regenerative blower. A vacuum of 0.1 inches of water column (w.c.) was not achieved at any vapor probe during this test. On May 26, 1995, a second pilot test was performed, using a 5 hp regenerative blower using MW-2 as the extraction well. A vacuum of 0.1 inches of w.c. was achieved at a radius of 10 feet.

In May 1997, Tyree performed a dual phase high vacuum extraction (DPHVE) pilot test. The DPHVE pilot test was conducted using a skid mounted 60 gallon centrifugal air/water separator equipped with a vacuum generator. One compressor capable of achieving approximately 100 cubic feet per minute (cfm) of air flow was used to supply the required vacuum to monitoring well MW-2. Data obtained during the DPHVE pilot test indicated that a 20 foot radius of influence can be achieved with an applied vacuum of 10 inches of mercury at a flow rate of 5 cfm from each extraction well.

In August 1998, Tyree completed the installation of monitoring wells MW-7 through MW-10 at the former Service Station and also completed the installation of a Dual Phase High Vacuum Extraction System (DPHVES). The DPHVES was activated on August 28, 1998. The system consisted of one positive displacement blower connected by a manifold to monitoring wells MW-1 through MW-3 and MW-5 through MW-10. The extracted groundwater was treated with a low profile air stripper and discharged to the sanitary sewer system.

On November 28 and 29, 2005, Tyree completed a subsurface investigation that included the installation of six soil boring that were completed as monitoring wells MW-11 through MW-16. The wells were installed to delineate off-site groundwater impacts.

During December 2005 the DPHVES became non-operational due to electrical issues with Consolidated Edison. The DPHVES was not restarted.

On October 23, 2008 Tyree **c**onducted a vacuum enhanced fluid extraction (VEFR) event on monitoring well MW-16 as per a NYSDEC request. A total of 270 gallons of water/gasoline mixture was extracted during the duration of the event

In July 2009, Tyree removed two 4,000-gallon single walled steel gasoline USTs, one, 4,000-gallon single walled steel diesel UST, five product dispensers and the associated product piping from the former Service Station during a site divestment that was conducted on behalf of Getty Petroleum Marketing Inc. (GPMI). During removal activities, Tyree personnel observed petroleum hydrocarbon stained soil and a previously unidentified 550-gallon UST. On July 24, 2009, the NYSDEC spill hotline was notified by GPMI and spill number 09-04799 was assigned to the site. Monitoring well MW-9 was presumed to have been destroyed during the 2009 site divestment activities.

In October 2009, Tyree conducted a subsurface investigation consisting of the advancement of nine soil borings (SB-1 through SB-9) at points of known historical soil impacts. Laboratory analytical results identified only minimal concentrations of VOCs in soil samples collected in the vicinity of the former 550-gallon tank field which Getty had been investigating. Laboratory analytical results also identified elevated concentrations of VOCs in soil samples collected in the vicinity of the former GMPI tank system and from locations downgradient of the former GPMI tank field, product dispenser area and former remote fills.

On October 22, 2010, during the groundwater gauging event, the off-site groundwater monitoring wells MW-14 through MW-16 could not be located. These monitoring wells are presumed to have been destroyed.

On August 22, 2011, Tyree, on behalf of Getty Petroleum Marketing Inc. (GPMI), oversaw the reinstallation of monitoring well MW-9 by Associated Environmental Services, Ltd., of Hauppauge, New York (AES). Monitoring well MW-9 was presumably destroyed during UST removal activities during July 2009. A site plan depicting the location of the newly installed MW-9 is presented on **Figure 1**.

Monitoring well MW-9 was installed to a maximum depth of approximately 20 feet below ground surface (bgs) and was constructed of 4-inch diameter schedule 40 PVC with 12 feet of 0.020-inch slot well screen from 20 feet bgs to 8 feet bgs. A 4-inch diameter schedule 40 PVC monitoring riser was set from 8 feet bgs to grade. The annulus was filled with #2 Morie sand from 20 feet bgs to 6 feet bgs. A one foot bentonite seal was set above the sand pack from 6 feet bgs to 5 feet bgs. The remainder of the annulus was backfilled to grade with native soil. The monitoring well was seated with a J-plug locking cap and surface completed with a twelve-inch, flush mounted, steel, watertight road box set in a two-foot by two-foot concrete pad.

On October 17, 2011, Tyree surveyed the newly reinstalled monitoring well MW-9, as well as the other on-site monitoring wells, to a new 100-foot datum.

WELL GAUGING / SAMPLING INFORMATION

Prior to sampling, each monitoring well was gauged for static water level and then purged of three well volumes or until dry. Once the groundwater within each monitoring well recharged to at least 90 percent of its static water level, groundwater samples were collected. Monthly gauging events took place on October 17, 2011 and November 18, 2011. Summaries of the groundwater elevation data and groundwater chemistry data measured during the November 18, 2011 sampling event (including complete historical data) have been provided in **Tables 1 and 2**, respectively. A hydrograph plotting the change in groundwater elevations at this site over time is presented as **Graph 1**. Groundwater elevation maps associated with the October 17, 2011 and November 18, 2011 groundwater gauging events have been included as **Figures 1 and 2**, respectively.

Dates Wells Gauged –	10/17/11 and 11/18/11
Number of Wells Gauged –	10/17/11 – Twelve (12) 11/18/11 – Twelve (12)
Gauged Well Identifications –	10/17/11 – MW-1 through MW-3 and MW-5 through MW-13 11/18/11 – MW-1 through MW-3 and MW-5 through MW-13
Wells Not Gauged and Reason –	10/17/11 – MW-14 through MW-16 – Wells are presumed to have been destroyed. 11/18/11 – MW-14 through MW-16 – Wells are presumed to have been destroyed.
Date Wells Sampled –	11/18/11
Number of Wells Sampled –	Twelve (12)
Sampled Well Identifications –	MW-1 through MW-3 and MW-5 through MW-13
Wells Not Sampled and Reason –	MW-14 through MW-16 – Wells are presumed to have been destroyed.
Liquid Phase Hydrocarbons (LPH) Detected and LPH Thickness –	None
Generalized Groundwater Flow Direction –	Southeast

Wells Not Used in Contouring and Reason –	10/17/11 – MW-5, MW-6 and MW-7 **–** Wells not used in contouring due to anomalous groundwater elevation data. 11/18/11 – MW-6 – Well not used in contouring due to anomalous groundwater elevation data.
Laboratory Analytical Parameters and Methods –	BTEX and methyl tert-butyl ether (MTBE) by United States Environmental Protection Agency (USEPA) Method 8260
New York-Certified Laboratory –	Accutest Laboratories; Dayton, New Jersey

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results associated with the November 18, 2011 groundwater sampling event indicate that target compounds of concern (COCs) exceeded NYSDEC groundwater standards at the following monitoring well locations:

MW-1	benzene (37.9 parts per billion (ppb))
MW-2	benzene (7.1 ppb), ethylbenzene (16.8 ppb) and total xylenes (9.2 ppb)
MW-3	none
MW-5	none
MW-6	benzene (12.9 ppb)
MW-7	none
MW-8	none
MW-9	benzene (3,250 ppb), toluene (272 ppb), ethylbenzene (907 ppb), total xylenes (1,770 ppb) and MTBE (104 ppb)
MW-10	benzene (3.8 ppb)
MW-11	none
MW-12	none
MW-13	benzene (9.3 ppb)

Historical groundwater analytical results are summarized in **Table 2** and are plotted on **Graph 2** (Total BTEX: Concentration vs. Time) and **Graph 3** (MTBE: Concentration vs. Time). Total BTEX and MTBE plume maps associated with the November 18, 2011 groundwater sampling event are presented as **Figures 3** and **4**, respectively. In addition, a copy of the original laboratory analytical data package associated with the November 18, 2011 groundwater sampling event has been included in **Appendix A**.

REQUEST FOR MONITORING WELL ABANDONMENT

Tyree, on behalf of Getty, respectfully requests the approval of the NYSDEC to abandon the following monitoring wells due to either low or consistently decreasing groundwater concentrations: MW-5, MW-6, MW-7, MW-11, MW-12, and MW-13. With NYSDEC approval, these wells will be abandoned following correct NYSDEC standards and procedures and a final Well Abandonment Report will be submitted.

SUMMARY OF UPCOMING EVENTS

Next Groundwater Sampling Event –	February 2012
Next Report Submittal Date –	April 2012: First Quarter 2012 Monitoring Report

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Report Prepared By:
TYREE ENVIRONMENTAL CORP.

Thomas D. Franco
Environmental Project Manager

TABLES

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-1	3/31/03	99.94	11.02	NFP	--	88.92
	6/12/03	99.94	10.32	NFP	--	89.62
	9/18/03	99.94	11.63	NFP	--	88.31
	12/2/03	99.94	11.45	NFP	--	88.49
	3/16/04	99.94	11.33	NFP	--	88.61
	7/7/04	99.94	11.78	NFP	--	88.16
	9/29/04	99.94	10.52	NFP	--	89.42
	6/27/05	99.94	11.69	NFP	--	88.25
	9/19/05	99.94	12.52	NFP	--	87.42
	12/15/05	99.94	11.16	NFP	--	88.78
	3/28/06	99.94	11.49	NFP	--	88.45
	6/15/06	99.94	10.64	NFP	--	89.30
	9/26/06	99.94	11.61	NFP	--	88.33
	12/11/06	99.94	11.18	NFP	--	88.76
	3/13/07	99.94	11.16	NFP	--	88.78
	6/15/07	99.94	11.14	NFP	--	88.80
	10/1/07	99.94	12.22	NFP	--	87.72
	12/26/07	99.94	11.41	NFP	--	88.53
	5/2/08	99.94	11.35	NFP	--	88.59
	6/23/08	99.94	11.68	NFP	--	88.26
	10/31/08	99.94	12.02	NFP	--	87.92
	1/28/09	99.94	11.27	NFP	--	88.67
	2/20/09	99.94	11.60	NFP	--	88.34
	3/24/09	99.94	11.88	NFP	--	88.06
	4/23/09	99.94	10.71	NFP	--	89.23
	5/26/09	99.94	11.15	NFP	--	88.79
	6/11/09	99.94	11.03	NFP	--	88.91
	6/26/09	99.94	10.46	NFP	--	89.48
	7/14/09	99.94	10.90	NFP	--	89.04
	8/20/09	99.94	11.04	NFP	--	88.90
	9/30/09	99.94	11.36	NFP	--	88.58
	10/23/09	99.94	11.78	NFP	--	88.16
	11/21/09	99.94	10.98	NFP	--	88.96
	1/4/10	99.94	8.24	NFP	--	91.70
	1/26/10	99.94	9.15	NFP	--	90.79
	2/24/10	99.94	8.20	NFP	--	91.74
	3/26/10	99.94	NA	NA	NA	NA
	4/26/10	99.94	9.50	NFP	--	90.44
	5/24/10	99.94	10.47	NFP	--	89.47
	6/11/10	99.94	10.87	NFP	--	89.07
	7/22/10	99.94	NA	NA	NA	NA
	8/26/10	99.94	8.17	NFP	--	91.77
	9/20/10	99.94	8.17	NFP	--	91.77
	10/22/10	99.94	8.07	NFP	--	91.87
	11/28/10	99.94	8.23	NFP	--	91.71
	2/15/11	99.94	8.44	NFP	--	91.50
	5/26/11	99.94	9.76	NFP	--	90.18
	7/20/11	99.94	11.30	NFP	--	88.64
	8/26/11	99.94	10.31	NFP	--	89.63
	9/19/11	99.94	10.12	NFP	--	89.82
	10/17/11*	99.87	10.46	NFP	--	89.41
	11/18/11	99.87	10.76	NFP	--	89.11

Notes:
DRY - Insufficient water yield
NA - Not Accessible
NFP - No Free Phase Product Detected
NSD - No Survey Data Available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-2	3/31/03	100.23	11.38	11.36	0.02	88.87
	6/12/03	100.23	10.78	NFP	--	89.45
	9/18/03	100.23	11.98	11.97	0.01	88.26
	12/2/03	100.23	11.91	NFP	--	88.32
	3/16/04	100.23	11.62	NFP	--	88.61
	7/7/04	100.23	12.28	NFP	--	87.95
	9/29/04	100.23	11.40	NFP	--	88.83
	6/27/05	100.23	12.02	NFP	--	88.21
	9/19/05	100.23	12.86	12.85	0.01	87.38
	12/15/05	100.23	11.45	NFP	--	88.78
	3/28/06	100.23	11.72	NFP	--	88.51
	6/15/06	100.23	10.93	NFP	--	89.30
	9/26/06	100.23	11.94	NFP	--	88.29
	12/11/06	100.23	11.46	NFP	--	88.77
	3/13/07	100.23	11.44	NFP	--	88.79
	6/15/07	100.23	11.48	NFP	--	88.75
	10/1/07	100.23	12.56	NFP	--	87.67
	12/26/07	100.23	11.62	NFP	--	88.61
	5/2/08	100.23	11.52	NFP	--	88.71
	6/23/08	100.23	NA	NA	NA	NA
	10/31/08	100.23	12.18	NFP	--	88.05
	1/28/09	100.23	11.46	NFP	--	88.77
	2/20/09	100.23	11.90	NFP	--	88.33
	3/24/09	100.23	12.16	NFP	--	88.07
	4/23/09	100.23	10.88	NFP	--	89.35
	5/26/09	100.23	11.48	NFP	--	88.75
	6/11/09	100.23	11.27	NFP	--	88.96
	6/26/09	100.23	10.75	NFP	--	89.48
	7/14/09	100.23	11.21	NFP	--	89.02
	8/20/09	100.23	11.38	NFP	--	88.85
	9/30/09	100.23	11.69	NFP	--	88.54
	10/23/09	100.23	12.13	NFP	--	88.10
	11/21/09	100.23	11.28	NFP	--	88.95
	1/4/10	100.23	8.22	NFP	--	92.01
	1/26/10	100.23	9.52	NFP	--	90.71
	2/24/10	100.23	8.29	NFP	--	91.94
	3/26/10	100.23	NA	NA	NA	NA
	4/26/10	100.23	9.81	NFP	--	90.42
	5/24/10	100.23	10.81	NFP	--	89.42
	6/11/10	100.23	11.22	NFP	--	89.01
	7/22/10	100.23	NA	NA	NA	NA
	8/26/10	100.23	8.23	NFP	--	92.00
	9/20/10	100.23	8.29	NFP	--	91.94
	10/22/10	100.23	8.20	NFP	--	92.03
	11/18/10	100.23	8.20	NFP	--	92.03
	2/15/11	100.23	8.78	NFP	--	91.45
	5/26/11	100.23	10.27	NFP	--	89.96
	7/20/11	100.23	11.68	NFP	--	88.55
	8/26/11	100.23	10.67	NFP	--	89.56
	9/19/11	100.23	10.52	NFP	--	89.71
	10/17/11*	100.22	10.88	NFP	--	89.34
	11/18/11	100.22	11.09	NFP	--	89.13

Notes:
DRY - Insufficient water yield
NA - Not Accessible
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TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-3	3/31/03	99.68	11.25	NFP	--	88.43
	6/12/03	99.68	10.79	NFP	--	88.89
	9/18/03	99.68	11.74	NFP	--	87.94
	12/2/03	99.68	11.50	NFP	--	88.18
	3/16/04	99.68	11.45	NFP	--	88.23
	7/7/04	99.68	11.57	NFP	--	88.11
	9/29/04	99.68	11.34	NFP	--	88.34
	6/27/05	99.68	11.82	NFP	--	87.86
	9/19/05	99.68	12.61	NFP	--	87.07
	12/15/05	99.68	11.39	NFP	--	88.29
	3/28/06	99.68	11.70	NFP	--	87.98
	6/15/06	99.68	10.81	NFP	--	88.87
	9/26/06	99.68	11.48	NFP	--	88.20
	12/11/06	99.68	11.35	NFP	--	88.33
	3/13/07	99.68	11.35	NFP	--	88.33
	6/15/07	99.68	11.35	NFP	--	88.33
	10/1/07	99.68	12.30	NFP	--	87.38
	12/26/07	99.68	11.60	NFP	--	88.08
	5/2/08	99.68	11.56	NFP	--	88.12
	6/23/08	99.68	11.62	NFP	--	88.06
	10/31/08	99.68	12.13	NB	--	87.55
	1/28/09	99.68	11.64	NFP	--	88.04
	2/20/09	99.68	11.80	NFP	--	87.88
	3/24/09	99.68	12.14	NFP	--	87.54
	4/23/09	99.68	11.04	NFP	--	88.64
	5/26/09	99.68	NA	NA	NA	NA
	6/11/09	99.68	11.08	NFP	--	88.60
	6/26/09	99.68	10.49	NFP	--	89.19
	7/14/09	99.68	10.85	NFP	--	88.83
	8/20/09	99.68	NA	NA	NA	NA
	9/30/09	99.68	11.34	NFP	--	88.34
	10/23/09	99.68	11.74	NFP	--	87.94
	11/21/09	99.68	11.30	NFP	--	88.38
	1/4/10	99.68	9.28	NFP	--	90.40
	1/26/10	99.68	9.93	NFP	--	89.75
	2/24/10	99.68	NA	NA	NA	NA
	3/26/10	99.68	NA	NA	NA	NA
	4/26/10	99.68	10.36	NFP	--	89.32
	5/24/10	99.68	10.61	NFP	--	89.07
	6/11/10	99.68	11.02	NFP	--	88.66
	7/22/10	99.68	NA	NA	NA	NA
	8/26/10	99.68	9.20	NFP	--	90.48
	9/20/10	99.68	9.16	NFP	--	90.52
	10/22/10	99.68	10.50	NFP	--	89.18
	11/18/10	99.68	9.26	NFP	--	90.42
	2/15/11	99.68	9.31	NFP	--	90.37
	5/26/11	99.68	9.91	NFP	--	89.77
	7/20/11	99.68	11.30	NFP	--	88.38
	8/26/11	99.68	10.08	NFP	--	89.60
	9/19/11	99.68	10.24	NFP	--	89.44
	10/17/11*	99.66	10.53	NFP	--	89.13
	11/18/11	99.66	10.83	NFP	--	88.83

Notes:
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NA - Not Accessible
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NSD - No Survey Data Available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-5	3/31/03	102.10	13.54	NFP	--	88.56
	6/12/03	102.10	12.67	NFP	--	89.43
	9/18/03	102.10	15.71	NFP	--	86.39
	12/2/03	102.10	13.63	NFP	--	88.47
	3/16/04	102.10	13.55	NFP	--	88.55
	7/7/04	102.10	13.67	NFP	--	88.43
	9/29/04	102.10	NA	NA	NA	NA
	6/27/05	102.10	13.90	NFP	--	88.20
	9/19/05	102.10	14.69	NFP	--	87.41
	12/15/05	102.10	13.50	NFP	--	88.60
	3/28/06	102.10	13.68	NFP	--	88.42
	6/15/06	102.10	13.07	NFP	--	89.03
	9/26/06	102.10	13.72	NFP	--	88.38
	12/11/06	102.10	DRY	NFP	--	DRY
	3/13/07	102.10	13.39	NFP	--	88.71
	6/15/07	102.10	13.63	NFP	--	88.47
	10/1/07	102.10	14.61	NFP	--	87.49
	12/26/07	102.10	13.66	NFP	--	88.44
	5/2/08	102.10	13.78	NFP	--	88.32
	6/23/08	102.10	14.04	NFP	--	88.06
	10/31/08	102.10	14.30	NFP	--	87.80
	1/28/09	102.10	13.83	NFP	--	88.27
	2/20/09	102.10	14.00	NFP	--	88.10
	3/24/09	102.10	14.04	NFP	--	88.06
	4/23/09	102.10	13.28	NFP	--	88.82
	5/26/09	102.10	13.48	NFP	--	88.62
	6/11/09	102.10	13.43	NFP	--	88.67
	6/26/09	102.10	12.95	NFP	--	89.15
	7/14/09	102.10	13.32	NFP	--	88.78
	8/20/09	102.10	13.46	NFP	--	88.64
	9/30/09	102.10	13.82	NFP	--	88.28
	10/23/09	102.10	14.02	NFP	--	88.08
	11/21/09	102.10	13.50	NFP	--	88.60
	1/4/10	102.10	11.54	NFP	--	90.56
	1/26/10	102.10	12.59	NFP	--	89.51
	2/24/10	102.10	11.32	NFP	--	90.78
	3/26/10	102.10	NA	NA	NA	NA
	4/26/10	102.10	12.57	NFP	--	89.53
	5/24/10	102.10	13.21	NFP	--	88.89
	6/11/10	102.10	14.32	NFP	--	87.78
	7/22/10	102.10	NA	NA	NA	NA
	8/26/10	102.10	11.31	NFP	--	90.79
	9/20/10	102.10	11.33	NFP	--	90.77
	10/22/10	102.10	14.31	NFP	--	87.79
	11/18/10	102.10	11.52	NFP	--	90.58
	2/15/11	102.10	11.95	NFP	--	90.15
	5/26/11	102.10	12.85	NFP	--	89.25
	7/20/11	102.10	13.69	NFP	--	88.41
	8/26/11	102.10	13.08	NFP	--	89.02
	9/19/11	102.10	13.00	NFP	--	89.10
	10/17/11*	102.11	13.33	NFP	--	88.78
	11/18/11	102.11	13.41	NFP	--	88.70

Notes:
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TABLE 1.
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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-6	3/31/03	102.60	14.61	NFP	--	87.99
	6/12/03	102.60	14.18	NFP	--	88.42
	9/18/03	102.60	14.72	NFP	--	87.88
	12/2/03	102.60	14.40	NFP	--	88.20
	3/16/04	102.60	14.62	NFP	--	87.98
	7/7/04	102.60	14.59	NFP	--	88.01
	9/29/04	102.60	13.95	NFP	--	88.65
	6/27/05	102.60	14.64	NFP	--	87.96
	9/19/05	102.60	15.64	NFP	--	86.96
	12/15/05	102.60	14.60	NFP	--	88.00
	3/28/06	102.60	14.80	NFP	--	87.80
	6/15/06	102.60	14.26	NFP	--	88.34
	9/26/06	102.60	14.78	NFP	--	87.82
	12/11/06	102.60	14.59	NFP	--	88.01
	3/13/07	102.60	14.53	NFP	--	88.07
	6/15/07	102.60	14.79	NFP	--	87.81
	10/1/07	102.60	DRY	DRY	DRY	DRY
	12/26/07	102.60	14.92	NFP	--	87.68
	5/2/08	102.60	15.55	NFP	--	87.05
	6/23/08	102.60	NA	NA	NA	NA
	10/31/08	102.60	15.42	NFP	--	87.18
	1/28/09	102.60	14.85	NFP	--	87.75
	2/20/09	102.60	16.00	NFP	--	86.60
	3/24/09	102.60	15.28	NFP	--	87.32
	4/23/09	102.60	14.60	NFP	--	88.00
	5/26/09	102.60	14.69	NFP	--	87.91
	6/11/09	102.60	14.58	NFP	--	88.02
	6/26/09	102.60	14.23	NFP	--	88.37
	7/14/09	102.60	14.45	NFP	--	88.15
	8/20/09	102.60	14.54	NFP	--	88.06
	9/30/09	102.60	14.91	NFP	--	87.69
	10/24/09	102.60	15.18	NFP	--	87.42
	11/21/09	102.60	14.68	NFP	--	87.92
	1/4/10	102.60	13.45	NFP	--	89.15
	1/26/10	102.60	13.96	NFP	--	88.64
	2/24/10	102.60	NA	NA	NA	NA
	3/26/10	102.60	NA	NA	NA	NA
	4/26/10	102.60	13.97	NFP	--	88.63
	5/24/10	102.60	13.14	NFP	--	89.46
	6/11/10	102.60	14.62	NFP	--	87.98
	7/22/10	102.60	NA	NA	NA	NA
	8/26/10	102.60	10.10	NFP	--	92.50
	9/20/10	102.60	13.29	NFP	--	89.31
	10/22/10	102.60	14.59	NFP	--	88.01
	11/18/10	102.60	13.14	NFP	--	89.46
	2/15/11	102.60	12.78	NFP	--	89.82
	5/26/11	102.60	13.88	NFP	--	88.72
	7/20/11	102.60	14.69	NFP	--	87.91
	8/26/11	102.60	14.09	NFP	--	88.51
	9/19/11	102.60	13.99	NFP	--	88.61
	10/17/11*	104.57	14.30	NFP	--	90.27
	11/18/11	104.57	14.47	NFP	--	90.10

Notes:
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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-7	3/31/03	101.98	13.65	NFP	--	88.33
	6/12/03	101.98	13.01	NFP	--	88.97
	9/18/03	101.98	14.09	NFP	--	87.89
	12/2/03	101.98	13.82	NFP	--	88.16
	3/16/04	101.98	13.69	NFP	--	88.29
	7/7/04	101.98	14.05	NFP	--	87.93
	9/29/04	101.98	13.68	NFP	--	88.30
	6/27/05	101.98	14.06	NFP	--	87.92
	9/19/05	101.98	14.82	NFP	--	87.16
	12/15/05	101.98	13.63	NFP	--	88.35
	3/28/06	101.98	13.92	NFP	--	88.06
	6/15/06	101.98	13.24	NFP	--	88.74
	9/26/06	101.98	14.92	NFP	--	87.06
	12/11/06	101.98	13.64	NFP	--	88.34
	3/13/07	101.98	13.59	NFP	--	88.39
	6/15/07	101.98	13.75	NFP	--	88.23
	10/1/07	101.98	14.64	NFP	--	87.34
	12/26/07	101.98	14.08	NFP	--	87.90
	5/2/08	101.98	13.93	NFP	--	88.05
	6/23/08	101.98	14.19	NFP	--	87.79
	10/31/08	101.98	14.56	NFP	--	87.42
	1/28/09	101.98	13.95	NFP	--	88.03
	2/20/09	101.98	14.30	NFP	--	87.68
	3/24/09	101.98	NA	NA	NA	NA
	4/23/09	101.98	13.63	NFP	--	88.35
	5/26/09	101.98	13.66	NFP	--	88.32
	6/11/09	101.98	13.61	NFP	--	88.37
	6/26/09	101.98	13.07	NFP	--	88.91
	7/14/09	101.98	13.40	NFP	--	88.58
	8/20/09	101.98	13.52	NFP	--	88.46
	9/30/09	101.98	13.94	NFP	--	88.04
	10/24/09	101.98	14.20	NFP	--	87.78
	11/21/09	101.98	13.52	NFP	--	88.46
	1/4/10	101.98	10.43	NFP	--	91.55
	1/26/10	101.98	12.16	NFP	--	89.82
	2/24/10	101.98	10.34	NFP	--	91.64
	3/26/10	101.98	NA	NA	NA	NA
	4/26/10	101.98	11.86	NFP	--	90.12
	5/24/10	101.98	13.11	NFP	--	88.87
	6/11/10	101.98	13.26	NFP	--	88.72
	7/22/10	101.98	NA	NA	NA	NA
	8/26/10	101.98	10.29	NFP	--	91.69
	9/20/10	101.98	10.33	NFP	--	91.65
	10/22/10	101.98	13.28	NFP	--	88.70
	11/18/10	101.98	10.41	NFP	--	91.57
	2/15/11	101.98	12.08	NFP	--	89.90
	5/26/11	101.98	12.58	NFP	--	89.40
	7/20/11	101.98	13.73	NFP	--	88.25
	8/26/11	101.98	12.76	NFP	--	89.22
	9/19/11	101.98	12.84	NFP	--	89.14
	10/17/11*	101.99	13.21	NFP	--	88.78
	11/18/11	101.99	13.39	NFP	--	88.60

Notes:
DRY - Insufficient water yield
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*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-8	3/31/03	101.22	13.02	NFP	--	88.20
	6/12/03	101.22	12.34	NFP	--	88.88
	9/18/03	101.22	13.23	NFP	--	87.99
	12/2/03	101.22	13.10	NFP	--	88.12
	3/16/04	101.22	13.22	NFP	--	88.00
	7/7/04	101.22	13.39	NFP	--	87.83
	9/29/04	101.22	12.93	NFP	--	88.29
	6/27/05	101.22	13.41	NFP	--	87.81
	9/19/05	101.22	14.12	NFP	--	87.10
	12/15/05	101.22	13.04	NFP	--	88.18
	3/28/06	101.22	13.32	NFP	--	87.90
	6/15/06	101.22	12.46	NFP	--	88.76
	9/26/06	101.22	13.17	NFP	--	88.05
	12/11/06	101.22	12.92	NFP	--	88.30
	3/13/07	101.22	13.01	NFP	--	88.21
	6/15/07	101.22	13.00	NFP	--	88.22
	10/1/07	101.22	13.87	NFP	--	87.35
	12/26/07	101.22	13.49	NFP	--	87.73
	5/2/08	101.22	13.40	NFP	--	87.82
	6/23/08	101.22	13.54	NFP	--	87.68
	10/31/08	101.22	13.94	NFP	--	87.28
	1/28/09	101.22	13.40	NFP	--	87.82
	2/20/09	101.22	NA	NA	NA	NA
	3/24/09	101.22	13.88	NFP	--	87.34
	4/23/09	101.22	13.12	NFP	--	88.10
	5/26/09	101.22	13.12	NFP	--	88.10
	6/11/09	101.22	13.02	NFP	--	88.20
	6/26/09	101.22	12.46	NFP	--	88.76
	7/14/09	101.22	13.46	NFP	--	87.76
	8/20/09	101.22	12.67	NFP	--	88.55
	9/30/09	101.22	13.26	NFP	--	87.96
	10/24/09	101.22	13.55	NFP	--	87.67
	11/21/09	101.22	13.04	NFP	--	88.18
	1/4/10	101.22	11.38	NFP	--	89.84
	1/26/10	101.22	11.76	NFP	--	89.46
	2/24/10	101.22	11.29	NFP	--	89.93
	3/26/10	101.22	11.75	NFP	--	89.47
	4/26/10	101.22	12.19	NFP	--	89.03
	5/24/10	101.22	12.37	NFP	--	88.85
	6/11/10	101.22	12.71	NFP	--	88.51
	7/22/10	101.22	13.27	NFP	--	87.95
	8/29/10	101.22	11.30	NFP	--	89.92
	9/20/10	101.22	11.21	NFP	--	90.01
	10/22/10	101.22	12.70	NFP	--	88.52
	11/18/10	101.22	11.37	NFP	--	89.85
	2/15/11	101.22	10.98	NFP	--	90.24
	5/26/11	101.22	11.82	NFP	--	89.40
	7/20/11	101.22	12.85	NFP	--	88.37
	8/26/11	101.22	12.00	NFP	--	89.22
	9/19/11	101.22	11.89	NFP	--	89.33
	10/17/11*	101.26	12.32	NFP	--	88.94
	11/18/11	101.26	12.40	NFP	--	88.86

Notes:
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*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-9**	3/31/03	98.27	12.53	NFP	--	85.74
	6/12/03	98.27	11.89	NFP	--	86.38
	9/18/03	98.27	13.18	NFP	--	85.09
	12/2/03	98.27	13.10	NFP	--	85.17
	3/16/04	98.27	11.95	NFP	--	86.32
	7/7/04	98.27	13.29	NFP	--	84.98
	9/29/04	98.27	12.74	NFP	--	85.53
	6/27/05	98.27	13.19	NFP	--	85.08
	9/19/05	98.27	13.84	NFP	--	84.43
	12/15/05	98.27	12.48	NFP	--	85.79
	3/28/06	98.27	12.84	NFP	--	85.43
	6/15/06	98.27	12.13	NFP	--	86.14
	9/26/06	98.27	13.01	NFP	--	85.26
	12/11/06	98.27	12.45	NFP	--	85.82
	3/13/07	98.27	12.79	NFP	--	85.48
	6/15/07	98.27	12.65	NFP	--	85.62
	10/1/07	98.27	13.46	NFP	--	84.81
	12/26/07	98.27	13.10	NFP	--	85.17
	5/2/08	98.27	13.82	NFP	--	84.45
	6/23/08	98.27	12.98	NFP	--	85.29
	10/31/08	98.27	13.47	NFP	--	84.80
	1/28/09	98.27	12.96	NFP	--	85.31
	2/20/09	98.27	14.20	NFP	--	84.07
	3/24/09	98.27	13.46	NFP	--	84.81
	4/23/09	98.27	12.79	NFP	--	85.48
	5/26/09	98.27	12.73	NFP	--	85.54
	6/11/09	98.27	12.66	NFP	--	85.61
	6/26/09	98.27	12.09	NFP	--	86.18
	7/14/09	WELL DESTROYED				
	8/26/11	NSD	10.78	NFP	--	NC
	9/19/11	NSD	10.73	NFP	--	NC
	10/17/11*	100.33	11.16	NFP	--	89.17
	11/18/11	100.33	11.36	NFP	--	88.97

Notes:
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NFP - No Free Phase Product Detected
NSD - No Survey Data Available
*All monitoring wells re-surveyed on October 17, 2011
**Monitoring well MW-9 reinstalled August 22, 2011.

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-10	3/31/03	97.08	11.00	NFP	--	86.08
	6/12/03	97.08	NA	NA	NA	NA
	9/18/03	97.08	11.60	NFP	--	85.48
	12/2/03	97.08	11.65	NFP	--	85.43
	3/16/04	97.08	11.20	NFP	--	85.88
	7/7/04	97.08	11.60	NFP	--	85.48
	9/29/04	97.08	11.35	NFP	--	85.73
	6/27/05	97.08	11.56	NFP	--	85.52
	9/19/05	97.08	12.26	NFP	--	84.82
	12/15/05	97.08	11.21	NFP	--	85.87
	3/28/06	97.08	NA	NA	NA	NA
	6/15/06	97.08	10.71	NFP	--	86.37
	9/26/06	97.08	11.43	NFP	--	85.65
	12/11/06	97.08	NA	NA	NA	NA
	3/13/07	97.08	NA	NA	NA	NA
	6/15/07	97.08	11.11	NFP	--	85.97
	10/1/07	97.08	NA	NA	NA	NA
	12/26/07	97.08	11.41	NFP	--	85.67
	5/2/08	97.08	11.39	NFP	--	85.69
	6/23/08	97.08	11.50	NFP	--	85.58
	10/31/08	97.08	11.81	NFP	--	85.27
	1/28/09	97.08	NA	NA	NA	NA
	2/20/09	97.08	NA	NA	NA	NA
	3/24/09	97.08	NA	NA	NA	NA
	4/23/09	97.08	NA	NA	NA	NA
	5/26/09	97.08	NA	NA	NA	NA
	6/11/09	97.08	NA	NA	NA	NA
	6/26/09	97.08	NA	NA	NA	NA
	7/14/09	97.08	10.74	NA	--	86.34
	8/20/09	97.08	10.83	NFP	--	86.25
	9/30/09	97.08	11.11	NFP	--	85.97
	10/24/09	97.08	11.56	NFP	--	85.52
	11/21/09	97.08	11.05	NFP	--	86.03
	1/4/10	97.08	8.81	NFP	--	88.27
	1/26/10	97.08	9.60	NFP	--	87.48
	2/24/10	97.08	8.79	NFP	--	88.29
	3/26/10	97.08	NA	NA	NA	NA
	4/26/10	97.08	9.89	NFP	--	87.19
	5/24/10	97.08	10.40	NFP	--	86.68
	6/11/10	97.08	10.75	NFP	--	86.33
	7/22/10	97.08	NA	NA	NA	NA
	8/26/10	97.08	8.65	NFP	--	88.43
	9/20/10	97.08	8.69	NFP	--	88.39
	10/22/10	97.08	10.23	NFP	--	86.85
	11/18/10	97.08	8.79	NFP	--	88.29
	2/15/11	97.08	9.01	NFP	--	88.07
	5/26/11	97.08	9.71	NFP	--	87.37
	7/20/11	97.08	11.11	NFP	--	85.97
	8/26/11	97.08	10.05	NFP	--	87.03
	9/10/11	97.08	10.06	NFP	--	87.02
	10/17/11*	99.53	10.39	NFP	--	89.14
	11/18/11	99.53	10.72	NFP	--	88.81

Notes:
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*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-11	12/15/05	NSD	15.35	NFP	--	NSD
	3/28/06	NSD	15.40	NFP	--	NSD
	6/15/06	103.47	14.90	NFP	--	88.57
	9/26/06	103.47	15.41	NFP	--	88.06
	12/11/06	103.47	15.22	NFP	--	88.25
	3/13/07	103.47	15.19	NFP	--	88.28
	6/15/07	103.47	15.56	NFP	--	87.91
	10/1/07	103.47	16.56	NFP	--	86.91
	12/26/07	103.47	15.48	NFP	--	87.99
	5/2/08	103.47	16.88	NFP	--	86.59
	6/23/08	103.47	15.97	NFP	--	87.50
	10/31/08	103.47	16.40	NFP	--	87.07
	1/28/09	103.47	15.96	NFP	--	87.51
	2/20/09	103.47	15.90	NFP	--	87.57
	3/24/09	103.47	16.08	NFP	--	87.39
	4/23/09	103.47	15.15	NFP	--	88.32
	5/26/09	103.47	15.26	NFP	--	88.21
	6/11/09	103.47	15.17	NFP	--	88.30
	6/26/09	103.47	14.80	NFP	--	88.67
	7/14/09	103.47	15.16	NFP	--	88.31
	8/20/09	103.47	15.22	NFP	--	88.25
	9/30/09	103.47	15.61	NFP	--	87.86
	10/24/09	103.47	15.97	NFP	--	87.50
	11/21/09	103.47	15.33	NFP	--	88.14
	1/4/10	103.47	14.12	NFP	--	89.35
	1/26/10	103.47	14.41	NFP	--	89.06
	2/24/10	103.47	13.02	NFP	--	90.45
	3/26/10	103.47	14.29	NFP	--	89.18
	4/26/10	103.47	14.85	NFP	--	88.62
	5/24/10	103.47	15.00	NFP	--	88.47
	6/11/10	103.47	15.27	NFP	--	88.20
	7/22/10	103.47	15.87	NFP	--	87.60
	8/26/10	103.47	13.07	NFP	--	90.40
	9/20/10	103.47	13.09	NFP	--	90.38
	10/22/10	103.47	13.20	NFP	--	90.27
	11/18/10	103.47	14.11	NFP	--	89.36
	2/15/11	103.47	13.76	NFP	--	89.71
	5/26/11	103.47	14.49	NFP	--	88.98
	7/20/11	103.47	15.54	NFP	--	87.93
	8/26/11	103.47	14.76	NFP	--	88.71
	9/19/11	103.47	14.67	NFP	--	88.80
	10/17/11*	103.49	15.00	NFP	--	88.49
	11/18/11	103.49	15.09	NFP	--	88.40

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TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-12	12/15/05	NSD	13.84	NFP	--	NSD
	3/28/06	NSD	14.00	NFP	--	NSD
	6/15/06	101.88	13.12	NFP	--	88.76
	9/26/06	101.88	13.78	NFP	--	88.10
	12/11/06	101.88	13.61	NFP	--	88.27
	3/13/07	101.88	13.65	NFP	--	88.23
	6/15/07	101.88	13.78	NFP	--	88.10
	10/1/07	101.88	14.67	NFP	--	87.21
	12/26/07	101.88	14.01	NFP	--	87.87
	5/2/08	101.88	14.21	NFP	--	87.67
	6/23/08	101.88	14.26	NFP	--	87.62
	10/31/08	101.88	14.62	NFP	--	87.26
	1/28/09	101.88	14.18	NFP	--	87.70
	2/20/09	101.88	14.10	NFP	--	87.78
	3/24/09	101.88	14.53	NFP	--	87.35
	4/23/09	101.88	13.77	NFP	--	88.11
	5/26/09	101.88	13.77	NFP	--	88.11
	6/11/09	101.88	13.68	NFP	--	88.20
	6/26/09	101.88	13.12	NFP	--	88.76
	7/14/09	101.88	13.40	NFP	--	88.48
	8/20/09	101.88	13.39	NFP	--	88.49
	9/30/09	101.88	14.04	NFP	--	87.84
	10/24/09	101.88	14.27	NFP	--	87.61
	11/21/09	101.88	13.77	NFP	--	88.11
	1/4/10	101.88	12.02	NFP	--	89.86
	1/26/10	101.88	12.42	NFP	--	89.46
	2/24/10	101.88	12.09	NFP	--	89.79
	3/26/10	101.88	12.36	NFP	--	89.52
	4/26/10	101.88	12.88	NFP	--	89.00
	5/24/10	101.88	13.09	NFP	--	88.79
	6/11/10	101.88	13.61	NFP	--	88.27
	7/22/10	101.88	14.09	NFP	--	87.79
	8/26/10	101.88	12.00	NFP	--	89.88
	9/20/10	101.88	12.05	NFP	--	89.83
	10/22/10	101.88	13.54	NFP	--	88.34
	11/18/10	101.88	12.02	NFP	--	89.86
	2/15/11	101.88	11.63	NFP	--	90.25
	5/26/11	101.88	12.50	NFP	--	89.38
	7/20/11	101.88	13.74	NFP	--	88.14
	8/26/11	101.88	12.64	NFP	--	89.24
	9/19/11	101.88	12.53	NFP	--	89.35
	10/17/11*	101.90	13.00	NFP	--	88.90
	11/18/11	101.90	13.10	NFP	--	88.80

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TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-13	12/15/05	NSD	11.19	NFP	--	NSD
	3/28/06	NSD	11.46	NFP	--	NSD
	6/15/06	99.47	10.73	NFP	--	88.74
	9/26/06	99.47	11.43	NFP	--	88.04
	12/11/06	99.47	11.13	NFP	--	88.34
	3/13/07	99.47	11.14	NFP	--	88.33
	6/15/07	99.47	11.07	NFP	--	88.40
	10/1/07	99.47	12.00	NFP	--	87.47
	12/26/07	99.47	11.29	NFP	--	88.18
	5/2/08	99.47	11.33	NFP	--	88.14
	6/23/08	99.47	11.45	NFP	--	88.02
	10/31/08	99.47	11.80	NFP	--	87.67
	1/28/09	99.47	10.74	NFP	--	88.73
	2/20/09	99.47	14.50	NFP	--	84.97
	3/24/09	99.47	11.75	NFP	--	87.72
	5/26/09	99.47	11.12	NFP	--	88.35
	6/11/09	99.47	10.80	NFP	--	88.67
	6/26/09	99.47	10.41	NFP	--	89.06
	7/14/09	99.47	10.80	NFP	--	88.67
	8/20/09	99.47	10.97	NFP	--	88.50
	9/30/09	99.47	11.25	NFP	--	88.22
	10/24/09	99.47	11.65	NFP	--	87.82
	11/21/09	99.47	11.07	NFP	--	88.40
	1/4/10	99.47	9.27	NFP	--	90.20
	1/26/10	99.47	9.89	NFP	--	89.58
	2/24/10	99.47	9.36	NFP	--	90.11
	3/26/10	99.47	10.07	NFP	--	89.40
	4/26/10	99.47	10.02	NFP	--	89.45
	5/24/10	99.47	10.61	NFP	--	88.86
	6/11/10	99.47	11.00	NFP	--	88.47
	7/22/10	99.47	11.45	NFP	--	88.02
	8/26/10	99.47	9.27	NFP	--	90.20
	9/20/10	99.47	9.41	NFP	--	90.06
	10/22/10	99.47	11.00	NFP	--	88.47
	11/18/10	99.47	9.29	NFP	--	90.18
	2/15/11	99.47	9.36	NFP	--	90.11
	5/26/11	99.47	10.20	NFP	--	89.27
	7/20/11	99.47	11.23	NFP	--	88.24
	8/26/11	99.47	10.42	NFP	--	89.05
	9/19/11	99.47	9.42	NFP	--	90.05
	10/17/11*	99.42	10.57	NFP	--	88.85
	11/18/11	99.42	10.80	NFP	--	88.62

Notes:
DRY - Insufficient water yield
NA - Not Accessible
NFP - No Free Phase Product Detected
NSD - No Survey Data Available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-14	12/15/05	NSD	10.47	NFP	--	NSD
	3/28/06	NSD	10.67	NFP	--	NSD
	6/15/06	100.26	9.70	NFP	--	90.56
	9/26/06	100.26	10.79	NFP	--	89.47
	12/11/06	100.26	NA	NA	NA	NA
	3/13/07	100.26	NA	NA	NA	NA
	6/15/07	100.26	10.18	NFP	--	90.08
	10/1/07	100.26	NA	NA	NA	NA
	12/26/07	100.26	NA	NA	NA	NA
	5/2/08	100.26	10.43	NFP	--	89.83
	6/23/08	100.26	11.88	NFP	--	88.38
	10/31/08	100.26	11.18	NFP	--	89.08
	1/28/09	100.26	NA	NA	NA	NA
	2/20/09	100.26	NA	NA	NA	NA
	5/26/09	100.26	NA	NA	NA	NA
	6/11/09	100.26	NA	NA	NA	NA
	6/26/09	100.26	NA	NA	NA	NA
	7/14/09	100.26	10.08	NFP	--	90.18
	8/20/09	100.26	10.38	NFP	--	89.88
	9/30/09	100.26	10.76	NFP	--	89.50
	10/24/09	100.26	11.05	NFP	--	89.21
	11/21/09	100.26	10.48	NFP	--	89.78
	1/4/10	100.26	NS	NS	NS	NS
	1/26/10	100.26	9.47	NFP	--	90.79
	2/24/10	100.26	NA	NA	NA	NA
	3/26/10	100.26	NA	NA	NA	NA
	4/26/10	100.26	NA	NA	NA	NA
	5/24/10	100.26	NA	NA	NA	NA
	6/11/10	100.26	NA	NA	NA	NA
	7/22/10	100.26	NA	NA	NA	NA
	8/26/10	100.26	NA	NA	NA	NA
	9/20/10	100.26	NA	NA	NA	NA
	10/22/10	COULD NOT BE LOCATED				
	11/18/10	WELL DESTROYED				

Notes:
DRY - Insufficient water yield
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TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-15	12/15/05	NSD	10.83	NFP	--	NSD
	3/28/06	NSD	10.94	NFP	--	NSD
	6/15/06	100.26	10.02	NFP	--	90.24
	9/26/06	100.26	11.02	NFP	--	89.24
	12/11/06	100.26	NA	NA	NA	NA
	3/13/07	100.26	NA	NA	NA	NA
	6/15/07	100.26	10.48	NFP	--	89.78
	10/1/07	100.26	NA	NA	NA	NA
	12/26/07	100.26	NA	NA	NA	NA
	5/2/08	100.26	10.72	NFP	--	89.54
	6/23/08	100.26	11.15	NFP	--	89.11
	10/31/08	100.26	11.51	NFP	--	88.75
	1/28/09	100.26	NA	NA	NA	NA
	2/20/09	100.26	NA	NA	NA	NA
	5/26/09	100.26	NA	NA	NA	NA
	6/11/09	100.26	NA	NA	NA	NA
	6/26/09	100.26	9.80	NFP	--	90.46
	7/14/09	100.26	10.35	NFP	--	89.91
	8/20/09	100.26	10.52	NFP	--	89.74
	9/30/09	100.26	11.05	NFP	--	89.21
	10/24/09	100.26	11.35	NFP	--	88.91
	11/21/09	100.26	10.78	NFP	--	89.48
	1/4/10	100.26	NA	NA	NA	NA
	1/26/10	100.26	9.63	NFP	--	90.63
	2/24/10	100.26	NA	NA	NA	NA
	3/26/10	100.26	NA	NA	NA	NA
	4/26/10	100.26	NA	NA	NA	NA
	5/24/10	100.26	NA	NA	NA	NA
	6/11/10	100.26	NA	NA	NA	NA
	7/22/10	100.26	NA	NA	NA	NA
	8/26/10	100.26	NA	NA	NA	NA
	9/20/10	100.26	NA	NA	NA	NA
	10/22/10	COULD NOT BE LOCATED				
	11/18/10	WELL DESTROYED				

Notes:
DRY - Insufficient water yield
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TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Date	Top of Casing Elevation	Depth to Water	Depth to Product	Product Thickness	Groundwater Elevation
MW-16	12/15/05	NSD	10.22	NFP	--	NSD
	3/28/06	NSD	10.39	NFP	--	NSD
	6/15/06	100.45	9.71	NFP	--	90.74
	9/26/06	100.45	10.64	NFP	--	89.81
	12/11/06	100.45	NA	NA	NA	NA
	3/13/07	100.45	NA	NA	NA	NA
	6/15/07	100.45	9.95	NFP	--	90.50
	10/1/07	100.45	NA	NA	NA	NA
	12/26/07	100.45	NA	NA	NA	NA
	5/2/08	100.45	10.26	NFP	--	90.19
	6/23/08	100.45	10.75	NFP	--	89.70
	10/31/08	100.45	11.11	NFP	--	89.34
	1/28/09	100.45	NA	NA	NA	NA
	2/20/09	100.45	NA	NA	NA	NA
	5/26/09	100.45	NA	NA	NA	NA
	6/11/09	100.45	NA	NA	NA	NA
	6/26/09	100.45	9.55	NFP	--	90.90
	7/14/09	100.45	10.00	NFP	--	90.45
	8/20/09	100.45	10.29	NFP	--	90.16
	9/30/09	100.45	10.67	NFP	--	89.78
	10/24/09	100.45	10.89	NFP	--	89.56
	11/21/09	100.45	10.35	NFP	--	90.10
	1/4/10	100.45	NA	NA	NA	NA
	1/26/10	100.45	9.85	NFP	--	90.60
	2/24/10	100.45	NA	NA	NA	NA
	3/26/10	100.45	NA	NA	NA	NA
	4/26/10	100.45	NA	NA	NA	NA
	5/24/10	100.45	NA	NA	NA	NA
	6/11/10	100.45	NA	NA	NA	NA
	7/22/10	100.45	NA	NA	NA	NA
	8/26/10	100.45	NA	NA	NA	NA
	9/20/10	100.45	NA	NA	NA	NA
	10/22/10	COULD NOT BE LOCATED				
	11/18/10	WELL DESTROYED				

Notes:
DRY - Insufficient water yield
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*All monitoring wells re-surveyed on October 17, 2011

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	3/31/03	**25.0**	<MDL	<MDL	<MDL	25.0	**30.5**
	6/12/03	**19.2**	1.2	5.0	**8.5**	33.9	5.4
	9/18/03	**25.2**	<MDL	<MDL	0.93	26.1	**10.0**
	12/2/03	**51.0**	4.6	**8.8**	**23.3**	87.7	7.5
	3/16/04	**11.0**	<MDL	<MDL	<MDL	11.0	8.0
	7/7/04	**23.8**	<MDL	<MDL	0.69	24.5	**171**
	9/29/04	**56.0**	<MDL	<MDL	0.84	56.8	3.9
	6/27/05	**8.3**	<MDL	<MDL	<MDL	8.3	3.8
	9/19/05	**4.1**	<MDL	<MDL	0.70	4.8	4.6
	12/15/05	**5.6**	<MDL	<MDL	<MDL	5.6	4.0
	3/28/06	**1.4**	<MDL	<MDL	<MDL	ND	5.6
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	2.8
	9/26/06	**11.9**	0.67	<MDL	1.7	14.3	4.9
	12/11/06	**1.1**	<MDL	<MDL	<MDL	1.1	3.3
	3/13/07	**1.0**	<MDL	<MDL	1.7	2.7	1.3
	6/15/07	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL
	10/1/07	**5.7**	2.0	0.36	4.0	12.1	3.0
	12/26/07	**31.7**	<MDL	<MDL	4.6	36.3	2.5
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	2.8
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	2.9
	10/31/08	**3.8**	<MDL	<MDL	2.8	6.6	2.9
	4/22/09	0.99	<MDL	<MDL	<MDL	0.99	1.0
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	2.1
	2/24/10	**28.2**	3.2	1.9	**129**	162	4.7
	5/24/10	**73.8**	**95.5**	**48.9**	**175**	393	**10.2**
	8/26/10	<MDL	<MDL	<MDL	<MDL	ND	2.1
	11/18/10	**106**	4.3	**59.6**	**8.1**	178	7.4
	2/15/11	**155**	**176**	**52.5**	**180**	564	**49.0**
	5/26/11	**3.2**	0.85	2.1	2.9	9.1	1.9
	8/26/11	**8.9**	1.4	2.7	4.1	17.1	2.1
	11/18/11	**37.9**	0.33	3.4	3.0	44.6	7.2
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

Notes:
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ND - Not Detected
DRY - Insufficient water yield
LPH - Liquid Phase Hydrocarbons
(Bold Value) - Concentration exceeds NYSDEC groundwater standard
< - Less than
<MDL - Below Method Detection Limit*
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-2	3/31/03	LPH	LPH	LPH	LPH	LPH	LPH
	6/12/03	**711**	**713**	**1,740**	**4,141**	7,305	**100**
	9/18/03	LPH	LPH	LPH	LPH	LPH	LPH
	12/2/03	**1,350**	**728**	**1,450**	**3,652**	7,180	**279**
	3/16/04	**1,410**	**743**	**2,100**	**5,944**	10,197	**286**
	7/7/04	**955**	**478**	**1,960**	**4,502**	7,895	**453**
	9/29/04	**1,260**	**1,080**	**2,160**	**5,139**	9,639	**529**
	6/27/05	**1,060**	**644**	**1,980**	**4,317**	8,001	**163**
	9/19/05	LPH	LPH	LPH	LPH	LPH	LPH
	12/15/05	**1,360**	**833**	**1,820**	**5,066**	9,079	**123**
	3/28/06	**701**	**316**	**1,760**	**4,211**	6,988	**67.2**
	6/15/06	**714**	**124**	**1,770**	**2,942**	5,550	**103**
	9/26/06	**586**	**217**	**967**	**1,976**	3,746	**85.0**
	12./11/06	**911**	**541**	**1,790**	**3,872**	7,114	**58.9**
	3/13/07	**497**	**144**	**1,190**	**2,230**	4,061	**28.1**
	6/15/07	**383**	**151**	**1,680**	**2,320**	4,534	<MDL
	10/1/07	**448**	**168**	**1,250**	**1,800**	3,050	**49.6**
	12/26/07	**306**	**143**	**728**	**1,240**	2,417	9.1
	5/2/28	**453**	**89.3**	**1,310**	**1,150**	3,002	**12.3**
	6/23/08	NA	NA	NA	NA	NA	NA
	10/31/08	**340**	**84.5**	**874**	**1,090**	2,389	**16.3**
	4/22/09	**296**	**216**	**1,420**	**1,860**	3,792	7.6
	7/16/09	**308**	**163**	**1,220**	**1,600**	3,291	**34.1**
	2/24/10	**125**	**86.3**	**11.1**	**48.6**	271	**29.8**
	5/24/10	**111**	**22.3**	**467**	**520**	1,120	3.9
	8/26/10	**10.8**	0.83	**5.6**	**5.0**	22.23	3.9
	11/18/10	**14.4**	0.95	**54.3**	**91.7**	161	<MDL
	2/15/11	**78.0**	3.2	**39.3**	**34.1**	155	2.9
	5/26/11	**36.0**	1.1	**44.4**	**23.4**	105	<MDL
	8/26/11	**73.2**	**5.9**	**88.6**	**79.5**	247	1.9
	11/18/11	**7.1**	0.59	**16.8**	**9.2**	33.7	0.34
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	ND	**17.5**
	6/12/03	**1.4**	<MDL	<MDL	<MDL	1.4	**128**
	9/18/03	<MDL	<MDL	<MDL	<MDL	ND	**44.40**
	12/2/03	<MDL	<MDL	<MDL	<MDL	ND	**32.50**
	3/16/04	<MDL	<MDL	<MDL	<MDL	ND	**2,010**
	7/7/04	<MDL	<MDL	<MDL	<MDL	ND	**3,650**
	9/29/04	<MDL	<MDL	<MDL	<MDL	ND	**1,190**
	6/27/05	<MDL	<MDL	<MDL	<MDL	ND	**24.0**
	9/19/05	<MDL	<MDL	<MDL	<MDL	ND	**57.1**
	12/15/05	0.65	<MDL	<MDL	<MDL	0.65	**12.4**
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	7.0
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	6.2
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	3.9
	12/11/06	**1.0**	<MDL	<MDL	<MDL	1.0	5.5
	3/13/07	<MDL	<MDL	<MDL	<MDL	ND	4.3
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	2.8
	10/1/07	<MDL	<MDL	<MDL	<MDL	ND	2.0
	12/26/07	**1.3**	<MDL	<MDL	<MDL	1.3	2.0
	5/2/28	**8.6**	<MDL	<MDL	<MDL	8.6	2.7
	6/23/08	**3.7**	<MDL	<MDL	<MDL	3.7	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	1.9
	4/22/09	**2.2**	<MDL	<MDL	<MDL	2.2	0.61
	7/16/09	<MDL	<MDL	1.4	1.1	2.5	<MDL
	2/24/10	**40.4**	0.75	0.52	0.95	42.6	**74.0**
	5/24/10	**17.3**	<MDL	<MDL	<MDL	17.3	**28.1**
	8/26/10	**11.2**	1.1	0.36	0.85	13.5	**22.1**
	11/18/10	**1.9**	<MDL	<MDL	<MDL	1.9	8.5
	2/15/11	**20.3**	<MDL	<MDL	<MDL	20.3	**37.8**
	5/26/11	**53.7**	<MDL	<MDL	<MDL	53.7	<MDL
	8/26/11	<MDL	<MDL	<MDL	<MDL	ND	3.9
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	6.5
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	ND	**11.2**
	6/12/03	**1.1**	<MDL	<MDL	<MDL	1.1	**12.4**
	9/18/03	<MDL	<MDL	<MDL	<MDL	ND	**28.8**
	12/2/03	**1.2**	<MDL	<MDL	<MDL	1.2	**19.1**
	3/16/04	<MDL	<MDL	<MDL	<MDL	ND	**15.3**
	7/7/04	<MDL	<MDL	<MDL	<MDL	ND	9.3
	9/29/04	NA	NA	NA	NA	NA	NA
	6/27/05	<MDL	<MDL	<MDL	<MDL	ND	6.5
	9/19/05	<MDL	<MDL	<MDL	<MDL	ND	4.2
	12/15/05	0.56	<MDL	<MDL	<MDL	0.56	3.9
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	3.5
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	2.6
	12/11/06	DRY	DRY	DRY	DRY	DRY	DRY
	3/13/07	<MDL	<MDL	<MDL	2.1	2.1	1.5
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	0.28	<MDL	<MDL	<MDL	0.28	1.3
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	2.0
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	1.2
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	1.6
	4/22/09	<MDL	<MDL	<MDL	<MDL	ND	0.76
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	1.3
	2/24/10	<MDL	<MDL	<MDL	<MDL	ND	1.1
	5/24/10	<MDL	<MDL	<MDL	<MDL	ND	0.44
	8/26/10	**12.8**	1.6	**23.5**	**15.5**	53.4	2.7
	11/18/10	<MDL	<MDL	<MDL	<MDL	ND	1.4
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/26/11	<MDL	<MDL	<MDL	0.44	0.44	<MDL
	8/26/11	0.86	<MDL	<MDL	0.50	1.4	0.73
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	0.47
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

Notes:
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-6	3/31/03	**365**	2.4	**16.5**	**17.5**	401	**111**
	6/12/03	**27.8**	<MDL	**6.1**	3.1	37.0	5.6
	9/18/03	**397**	<MDL	**19.9**	**18.3**	435	**128**
	12/2/03	**91.0**	<MDL	**9.8**	**8.3**	109	**27.4**
	3/16/04	**29.2**	<MDL	3.1	2.9	35.1	**40.5**
	7/7/04	**13.1**	<MDL	<MDL	<MDL	13.1	**137**
	9/29/04	**59.2**	1.0	**8.2**	**5.9**	74.4	**42.8**
	6/27/05	**65.3**	0.65	1.6	3.1	70.6	**86.5**
	9/19/05	**57.6**	<MDL	3.4	3.8	64.8	**90.4**
	12/15/05	**53.5**	0.89	1.8	1.8	58.0	**44.3**
	3/28/06	**37.4**	<MDL	<MDL	<MDL	37.4	**34.1**
	6/15/06	**118**	1.7	**6.2**	**17.1**	143	**92.4**
	9/26/06	**51.2**	0.83	3.0	**12.3**	67.4	**35.7**
	12/11/06	**43.2**	<MDL	<MDL	<MDL	43.2	**20.1**
	3/13/07	**20.3**	<MDL	<MDL	1.5	21.8	**12.3**
	6/15/07	**28.7**	<MDL	<MDL	<MDL	28.7	**12.5**
	10/1/07	DRY	DRY	DRY	DRY	DRY	DRY
	12/26/07	**49.3**	1.5	<MDL	<MDL	50.8	**14.7**
	5/2/28	**40.0**	<MDL	<MDL	<MDL	40.0	**10.2**
	6/23/08	**30.0**	<MDL	1.1	**5.3**	36.4	9.7
	10/31/08	**37.3**	1.3	<MDL	2.7	41.3	**11.1**
	4/22/09	**25.4**	0.80	0.57	0.68	27.5	6.6
	7/16/09	**34.1**	2.0	**14.4**	**25.5**	76.0	5.3
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	**11.9**	<MDL	0.96	<MDL	12.9	2.2
	8/26/10	**102**	4.2	1.0	**15.8**	123	2.2
	11/18/10	**9.3**	<MDL	<MDL	0.28	9.6	0.92
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/26/11	**4.7**	<MDL	1.8	0.98	7.5	1.2
	8/26/11	**9.6**	0.36	3.0	1.4	14.4	0.82
	11/18/11	**12.9**	0.60	4.0	0.85	18.4	2.1
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

Notes:
NA - Not Accessible
ND - Not Detected
DRY - Well not sampled, Insufficient water yield
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-7	3/31/03	**45.3**	<MDL	3.7	**6.1**	55.0	**27.7**
	6/12/03	**289**	**6.6**	**16.6**	**189**	501	**91.9**
	9/18/03	**394**	4.4	**6.0**	**17.1**	421	**143**
	12/2/03	**244**	3.6	**13.5**	**17.3**	278	**76.8**
	3/16/04	**420**	4.3	**29.7**	**9.1**	463	**107**
	7/7/04	**363**	4.4	**30.6**	**16.7**	415	**73.3**
	9/29/04	**353**	**5.0**	**20.2**	**11.4**	390	**74.4**
	6/27/05	**364**	3.6	**9.5**	3.0	380	**44.3**
	9/19/05	**345**	**6.3**	**12.0**	**22.5**	386	**47.2**
	12/15/05	**440**	**7.0**	4.3	**6.8**	458	**46.6**
	3/28/06	**338**	3.1	<MDL	<MDL	341	**36.2**
	6/15/06	**275**	4.8	**5.2**	**14.0**	299	**25.4**
	9/26/06	**194**	3.4	1.7	**21.0**	220	**17.7**
	12/11/06	**396**	**5.4**	4.2	**5.0**	411	**19.9**
	3/13/07	**329**	4.5	3.4	4.3	341	**18.0**
	6/15/07	**330**	4.1	**8.8**	2.3	345	**20.4**
	10/1/07	**335**	**6.5**	4.0	4.7	350	**16.7**
	12/26/07	**290**	4.0	2.1	3.3	299	**17.5**
	5/2/28	**218**	3.1	**5.5**	3.7	230	**12.9**
	6/23/08	**217**	2.5	1.1	2.6	223	**11.3**
	10/31/08	**278**	**8.2**	**8.1**	**25.7**	320	**16.9**
	4/22/09	**197**	4.3	1.8	2.9	206	9.6
	7/16/09	**224**	3.6	**7.7**	1.9	237	**18.0**
	2/24/10	0.45	<MDL	0.31	1.4	2.2	<MDL
	5/24/10	**10.9**	0.47	**8.5**	1.9	21.8	0.49
	8/26/10	**3.4**	1.8	<MDL	0.76	6.0	0.80
	11/18/10	**10.9**	<MDL	<MDL	<MDL	10.9	0.29
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/26/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	8/26/11	0.29	<MDL	<MDL	<MDL	0.29	<MDL
	11/18/11	0.76	<MDL	<MDL	<MDL	0.76	0.49
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

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TABLE 2.
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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-8	3/31/03	**131**	4.1	**53.6**	**79.7**	268	**35.2**
	6/12/03	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/18/03	**92.2**	3.6	**22.1**	**32.9**	151	**41.8**
	12/2/03	**28.4**	0.79	**5.8**	**8.7**	43.7	**10.4**
	3/16/04	**2.7**	<MDL	0.58	<MDL	3.3	5.2
	7/7/04	**2.6**	<MDL	<MDL	<MDL	2.6	3.8
	9/29/04	<MDL	<MDL	<MDL	<MDL	ND	**19.6**
	6/27/05	**12.8**	<MDL	0.36	2.7	15.9	5.4
	9/19/05	**31.5**	0.73	2.5	1.2	35.9	**14.5**
	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	2.1
	3/28/06	**1.1**	<MDL	<MDL	<MDL	1.1	3.2
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	0.84
	12/11/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/13/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	<MDL	<MDL	<MDL	<MDL	ND	5.0
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	3.9
	5/2/28	**2.1**	<MDL	<MDL	<MDL	2.1	1.7
	6/23/08	**21.3**	<MDL	<MDL	<MDL	21.3	5.2
	10/31/08	**34.4**	<MDL	<MDL	1.5	35.9	**34.1**
	4/22/09	**1.8**	<MDL	<MDL	<MDL	1.8	4.8
	7/16/09	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL
	2/24/10	0.36	<MDL	<MDL	0.37	0.73	**56.4**
	5/24/10	<MDL	<MDL	<MDL	<MDL	ND	3.4
	8/26/10	0.42	<MDL	<MDL	<MDL	0.42	5.6
	11/18/10	<MDL	<MDL	<MDL	<MDL	ND	0.41
	2/15/11	**2.4**	<MDL	<MDL	<MDL	2.4	4.3
	5/26/11	<MDL	<MDL	<MDL	<MDL	ND	3.8
	8/26/11	0.37	<MDL	<MDL	<MDL	0.37	**11.7**
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	2.4
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-9	3/31/03	**7,770**	<MDL	**291**	<MDL	8,061	**2,700**
	6/12/03	**2,680**	**19.1**	**107**	**227**	3,033	**1,160**
	9/18/03	**9,660**	**40.8**	**163**	**229**	10,093	**2,870**
	12/2/03	**8,790**	<MDL	**114**	**89.3**	8,993	**2,750**
	3/16/04	**2.3**	<MDL	<MDL	<MDL	2.3	**33.7**
	7/7/04	**6,730**	**29.8**	**98.8**	**43.8**	6,902	**1,850**
	9/29/04	**7,930**	**31.5**	**148**	**52.1**	8,162	**2,860**
	6/27/05	**7,300**	**37.3**	**118**	**64.7**	7,520	**1,610**
	9/19/05	**8,720**	**46.2**	**78.0**	**96.1**	8,940	**2,400**
	12/15/05	**9,630**	**50.7**	**110**	**62.0**	9,853	**2,010**
	3/28/06	**7,740**	<MDL	**114**	**107**	7,961	**1,170**
	6/15/06	**4,190**	**23.8**	**67.7**	<MDL	4,282	**949**
	9/26/06	**5,840**	**28.2**	**63.9**	**75.2**	6,007	**1,130**
	12/11/06	**6,430**	<MDL	**133**	**109**	6,672	**1,410**
	3/13/07	**6,770**	**37.6**	**52.1**	**26.1**	6,886	**938**
	6/15/07	**6,090**	**32.4**	**48.8**	**46.7**	6,218	**1,350**
	10/1/07	**7,720**	**43.1**	**47.3**	**93.0**	7,903	**1,380**
	12/26/07	**7,520**	**44.9**	**51.6**	**81.4**	7,698	**1,210**
	5/2/28	**6,070**	**48.9**	**58.6**	**86.1**	6,264	**415**
	6/23/08	**6,960**	**39.2**	**44.9**	**55.8**	7,100	**497**
	10/31/08	**6,690**	**33.5**	**49.1**	**66.9**	6,840	**1,060**
	4/22/09	**5,460**	**32.5**	**52.2**	**39.8**	5,585	**314**
	7/16/09	**3,300**	**19.2**	**63.0**	**18.5**	3,401	**531**
	2/24/10	WELL DESTROYED					
	8/26/11	**3,930**	**409**	**1,040**	**2,190**	7,569	**91.5**
	11/18/11	**3,250**	**272**	**907**	**1,770**	6,199	**104**
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

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MW-9 reinstalled on August 22, 2011.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	NA	**22.7**
	6/12/03	NA	NA	NA	NA	NA	NA
	9/18/03	**3.0**	<MDL	<MDL	<MDL	3.0	**38.6**
	12/2/03	**8.0**	<MDL	<MDL	<MDL	8.0	**50.9**
	3/16/04	**10,200**	**62.0**	**178**	**162**	10,602	**2,620**
	7/7/04	**2.8**	<MDL	<MDL	<MDL	2.8	**80.7**
	9/29/04	<MDL	<MDL	<MDL	<MDL	ND	**320**
	6/27/05	0.63	<MDL	<MDL	<MDL	0.63	**10.6**
	9/19/05	<MDL	<MDL	<MDL	<MDL	ND	6.4
	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	1.5
	3/28/06	NA	NA	NA	NA	NA	NA
	6/15/06	**4.5**	<MDL	<MDL	<MDL	4.5	7.1
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	1.1
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	**1.6**	<MDL	<MDL	<MDL	1.6	1.2
	5/2/28	**2.1**	<MDL	<MDL	<MDL	2.1	<MDL
	6/23/08	0.63	<MDL	<MDL	<MDL	0.63	<MDL
	10/31/08	0.79	<MDL	<MDL	<MDL	0.79	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	**5.0**	<MDL	5.0	<MDL
	2/24/10	**41.5**	0.76	0.57	0.95	43.8	**75.1**
	5/24/10	**49.5**	0.30	0.74	1.1	51.6	**18.5**
	8/26/10	**6.7**	<MDL	<MDL	<MDL	6.7	**13.3**
	11/18/10	**31.1**	<MDL	<MDL	0.40	31.5	5.4
	2/15/11	**44.2**	0.54	0.64	1.1	46.5	**50.3**
	5/26/11	**48.0**	<MDL	<MDL	0.32	48.3	**92.0**
	8/26/11	**3.0**	<MDL	<MDL	<MDL	3.0	**15.9**
	11/18/11	**3.8**	0.22	<MDL	<MDL	4.0	6.4
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/13/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	<MDL	<MDL	<MDL	<MDL	ND	0.35
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	4/22/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	<MDL	<MDL	<MDL	<MDL	ND	4.1
	5/24/10	<MDL	<MDL	<MDL	<MDL	ND	0.63
	8/26/10	**13.0**	<MDL	<MDL	<MDL	13.0	**14.3**
	11/18/10	<MDL	<MDL	<MDL	<MDL	ND	0.97
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	1.4
	5/26/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	8/26/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	0.22
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TABLE 2.
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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-12	12/15/05	**118**	**59.2**	**502**	**2,734**	3,407	**18.4**
	3/28/06	**96.7**	<MDL	**5.3**	**1,910**	2,012	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	**2.6**	<MDL	**5.7**	**12.9**	21.2	1.0
	3/13/07	0.64	<MDL	<MDL	<MDL	0.64	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	**109**	**6.5**	**163**	**69.8**	348	**21.3**
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/2/28	**21.3**	3.7	**50.8**	**35.4**	111	4.7
	6/23/08	**45.4**	2.9	**99.3**	**24.5**	172	6.4
	10/31/08	**100**	2.5	**101**	4.7	208	**25.7**
	4/22/09	**1.6**	<MDL	0.50	<MDL	2.1	0.59
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	0.29	<MDL	<MDL	<MDL	0.29	5.5
	5/24/10	0.30	<MDL	<MDL	<MDL	0.30	**34.1**
	8/26/10	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	11/18/10	**49.4**	2.9	**15.6**	**27.5**	95.4	**36.7**
	2/15/11	**3.1**	0.30	<MDL	2.9	6.3	**24.0**
	5/26/11	**50.0**	<MDL	<MDL	0.81	50.8	**27.8**
	8/26/11	0.89	<MDL	<MDL	<MDL	0.89	4.7
	11/18/11	0.62	<MDL	0.42	0.28	1.3	3.0
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Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-13	12/15/05	**6.4**	0.41	<MDL	0.74	7.5	0.86
	3/28/06	**7.1**	<MDL	<MDL	1.9	9.0	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	2.7
	9/26/06	**3.7**	<MDL	<MDL	<MDL	3.7	1.6
	12/11/06	**3.6**	<MDL	<MDL	<MDL	3.6	2.1
	3/13/07	**6.7**	<MDL	<MDL	2.4	9.1	2.5
	6/15/07	**1.5**	<MDL	<MDL	<MDL	1.5	<MDL
	10/1/07	**5.2**	0.73	1.1	2.8	9.8	0.94
	12/26/07	**10.9**	<MDL	<MDL	2.9	13.8	1.0
	5/2/28	**3.3**	<MDL	<MDL	<MDL	3.3	<MDL
	6/23/08	**7.2**	<MDL	<MDL	<MDL	7.2	<MDL
	10/31/08	**12.3**	<MDL	<MDL	<MDL	12.3	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	**11.0**	<MDL	13.1	2.2	26.3	<MDL
	2/24/10	**5.7**	<MDL	<MDL	<MDL	5.7	4.1
	5/24/10	**4.3**	<MDL	0.56	0.70	5.6	1.0
	8/26/10	<MDL	<MDL	<MDL	<MDL	ND	0.66
	11/18/10	**18.9**	1.0	1.4	2.4	23.7	<MDL
	2/15/11	**8.0**	<MDL	0.33	0.42	8.8	1.5
	5/26/11	**5.6**	<MDL	<MDL	0.56	6.2	<MDL
	8/26/11	0.89	<MDL	0.32	<MDL	1.2	4.7
	11/18/11	**9.3**	0.60	0.75	1.7	12.4	<MDL
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

Notes:
NA - Not Accessible
ND - Not Detected
DRY - Insufficient water yield
LPH - Liquid Phase Hydrocarbons
(Bold Value) - Concentration exceeds NYSDEC groundwater standard
< - Less than
<MDL - Below Method Detection Limit*
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	NA	NA	NA	NA	NA	NA
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	NA	NA	NA	NA	NA	NA
	8/26/10	COULD NOT BE LOCATED					
	11/18/10	WELL PRESUMED DESTROYED					
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

Notes:
NA - Not Accessible
ND - Not Detected
DRY - Insufficient water yield
LPH - Liquid Phase Hydrocarbons
(Bold Value) - Concentration exceeds NYSDEC groundwater standard
< - Less than
<MDL - Below Method Detection Limit*
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	NA	NA	NA	NA	NA	NA
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	NA	NA	NA	NA	NA	NA
	8/26/10	COULD NOT BE LOCATED					
	11/18/10	WELL PRESUMED DESTROYED					
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

Notes:
NA - Not Accessible
ND - Not Detected
DRY - Insufficient water yield
LPH - Liquid Phase Hydrocarbons
(Bold Value) - Concentration exceeds NYSDEC groundwater standard
< - Less than
<MDL - Below Method Detection Limit*
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sampling Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	2.8
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	5.6
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	NA	NA	NA	NA	NA	NA
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	1.3
	10/31/08	NA	NA	NA	NA	NA	NA
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	NA	NA	NA	NA	NA	NA
	8/26/10	COULD NOT BE LOCATED					
	11/18/10	WELL PRESUMED DESTROYED					
NYSDEC Groundwater Standards		1	5	5	5	No Standard Available	10

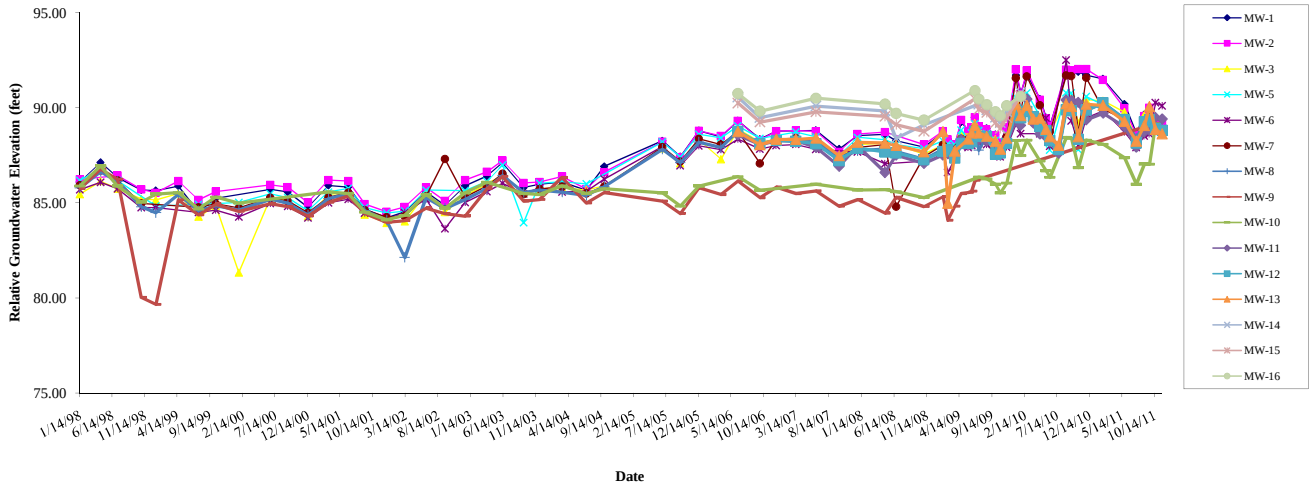
Notes:
NA - Not Accessible
ND - Not Detected
DRY - Insufficient water yield
LPH - Liquid Phase Hydrocarbons
(Bold Value) - Concentration exceeds NYSDEC groundwater standard
< - Less than
<MDL - Below Method Detection Limit*
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted

GRAPHS

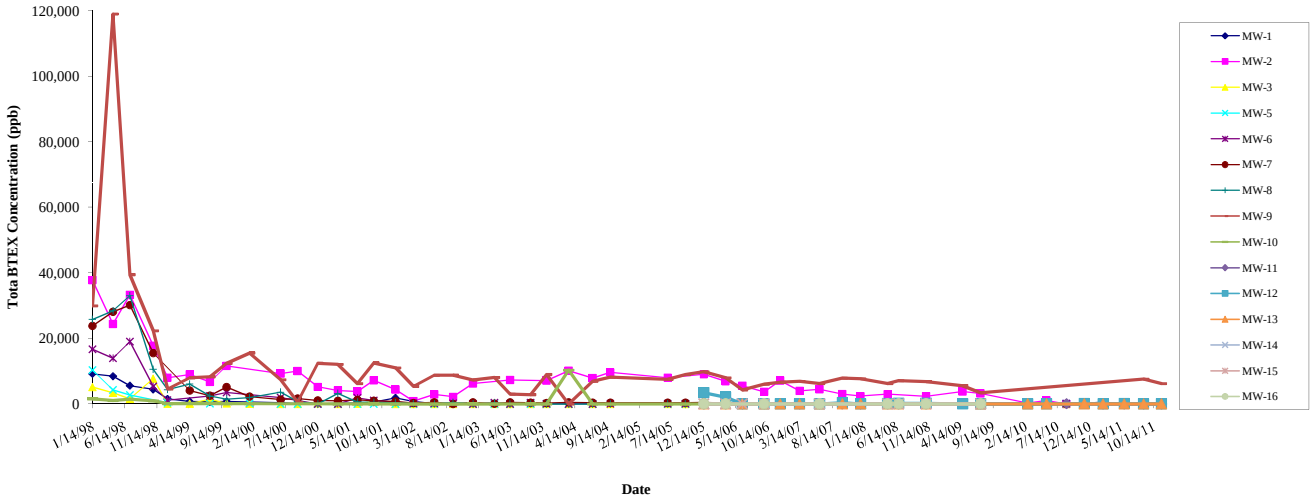
QUARTERLY MONITORING REPORT

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

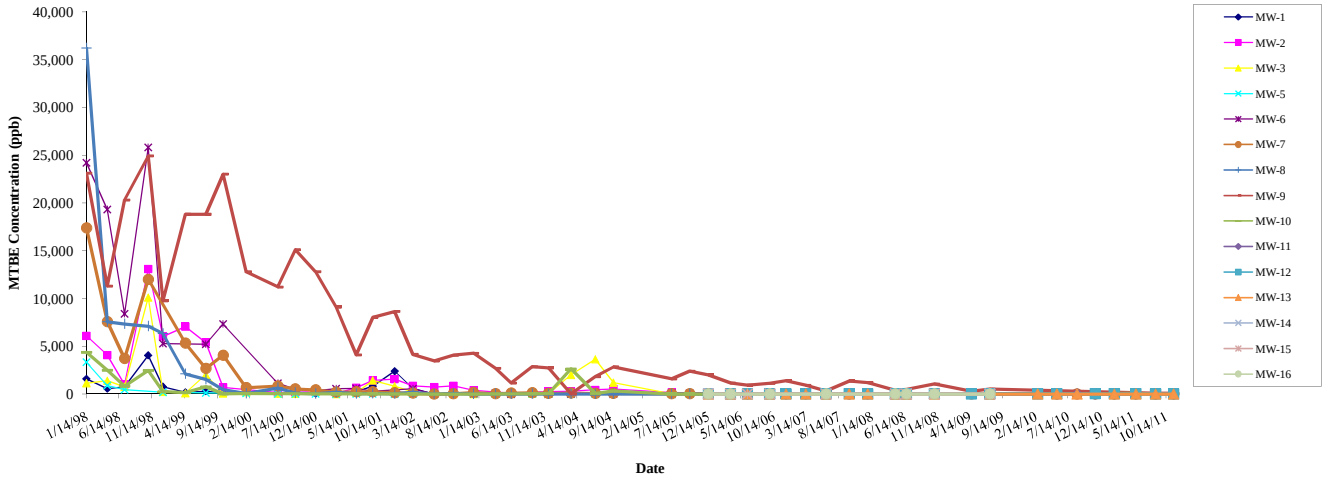
GRAPH 1.
HYDROGRAPH: RELATIVE GROUNDWATER ELEVATION VS. TIME



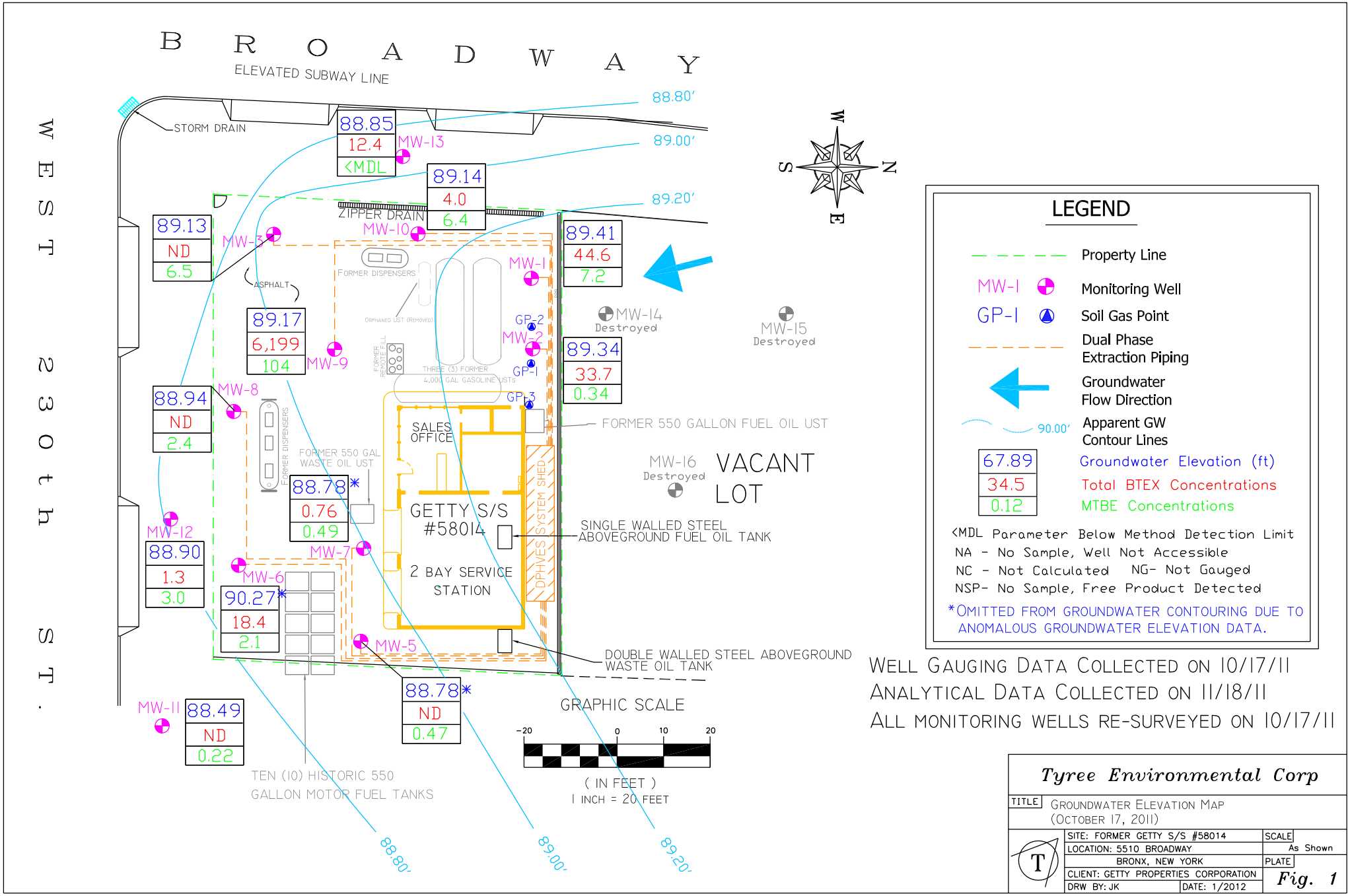
GRAPH 2.
TOTAL BTEX: CONCENTRATION VS. TIME



GRAPH 3.
MTBE: CONCENTRATION VS. TIME



FIGURES



LEGEND

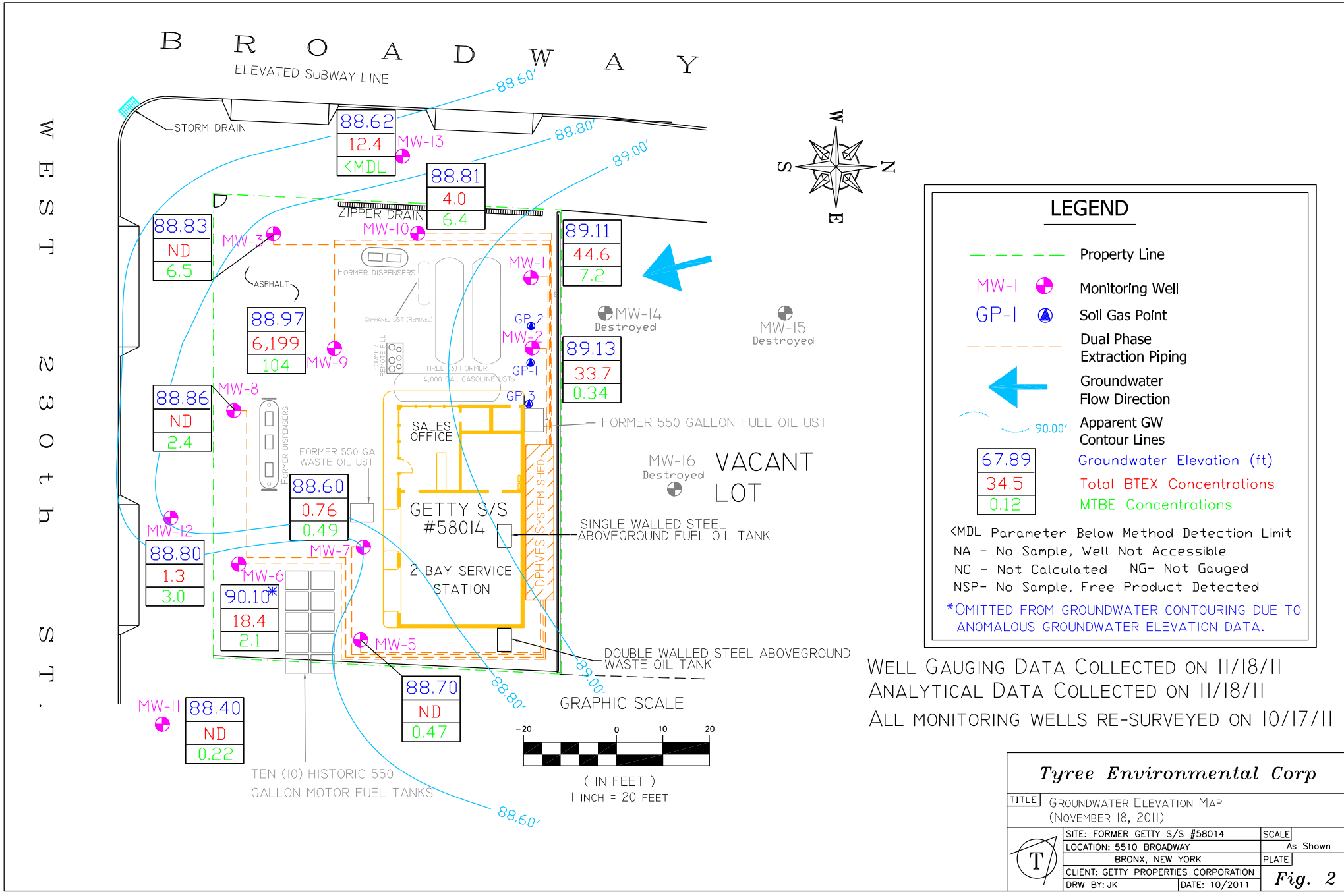
- Property Line
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping
- Groundwater Flow Direction
- 90.00' Apparent GW Contour Lines
- 67.89 Groundwater Elevation (ft)
- 34.5 Total BTEX Concentrations
- 0.12 MTBE Concentrations

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NC - Not Calculated NG- Not Gauged
NSP- No Sample, Free Product Detected
*OMITTED FROM GROUNDWATER CONTOURING DUE TO ANOMALOUS GROUNDWATER ELEVATION DATA.

WELL GAUGING DATA COLLECTED ON 10/17/11
ANALYTICAL DATA COLLECTED ON 11/18/11
ALL MONITORING WELLS RE-SURVEYED ON 10/17/11

Tyree Environmental Corp

TITLE	GROUNDWATER ELEVATION MAP (OCTOBER 17, 2011)
SITE: FORMER GETTY S/S #58014	SCALE: As Shown
LOCATION: 5510 BROADWAY BRONX, NEW YORK	PLATE
CLIENT: GETTY PROPERTIES CORPORATION	*Fig. 1*
DRW BY: JK	DATE: 1/2012



LEGEND

- Property Line
- MW-1 Monitoring Well
- GP-1 Soil Gas Point
- Dual Phase Extraction Piping
- Groundwater Flow Direction
- 90.00' Apparent GW Contour Lines
- 67.89 Groundwater Elevation (ft)
- 34.5 Total BTEX Concentrations
- 0.12 MTBE Concentrations

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NC - Not Calculated NG- Not Gauged
NSP- No Sample, Free Product Detected

*OMITTED FROM GROUNDWATER CONTOURING DUE TO ANOMALOUS GROUNDWATER ELEVATION DATA.

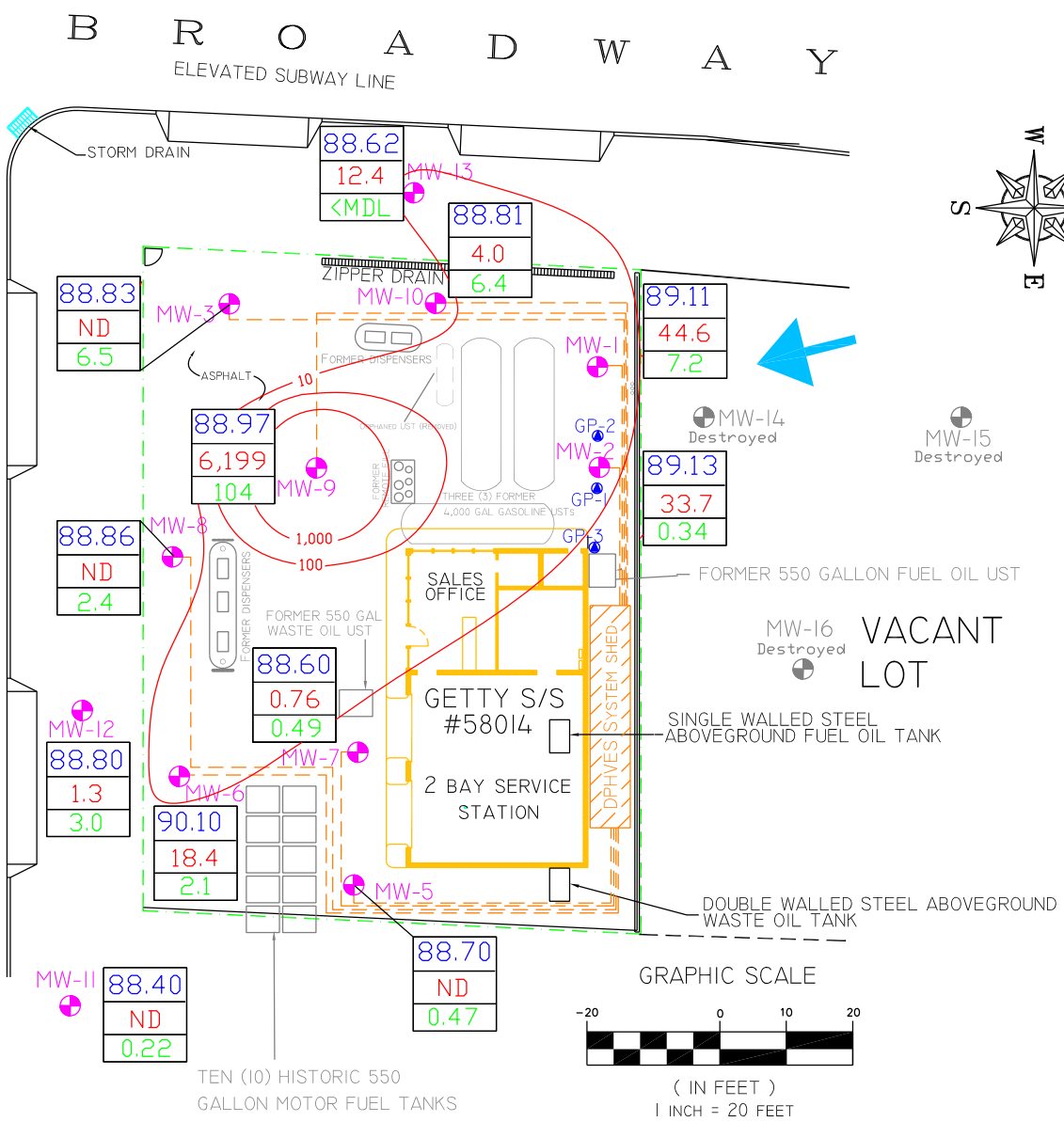
WELL GAUGING DATA COLLECTED ON 11/18/11
ANALYTICAL DATA COLLECTED ON 11/18/11
ALL MONITORING WELLS RE-SURVEYED ON 10/17/11

Tyree Environmental Corp

TITLE: GROUNDWATER ELEVATION MAP (NOVEMBER 18, 2011)

SITE: FORMER GETTY S/S #58014
LOCATION: 5510 BROADWAY
BRONX, NEW YORK
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: JK DATE: 10/2011

SCALE: As Shown
PLATE: *Fig. 2*



LEGEND

- Property Line
- MW-1 — Monitoring Well
- GP-1 — Soil Gas Point
- Dual Phase Extraction Piping
- Groundwater Flow Direction
- 100 — Inferred Total BTEX Contour Lines (ppb)
- 67.89 — Groundwater Elevation (ft)
- 34.5 — Total BTEX Concentrations
- 0.12 — MTBE Concentrations

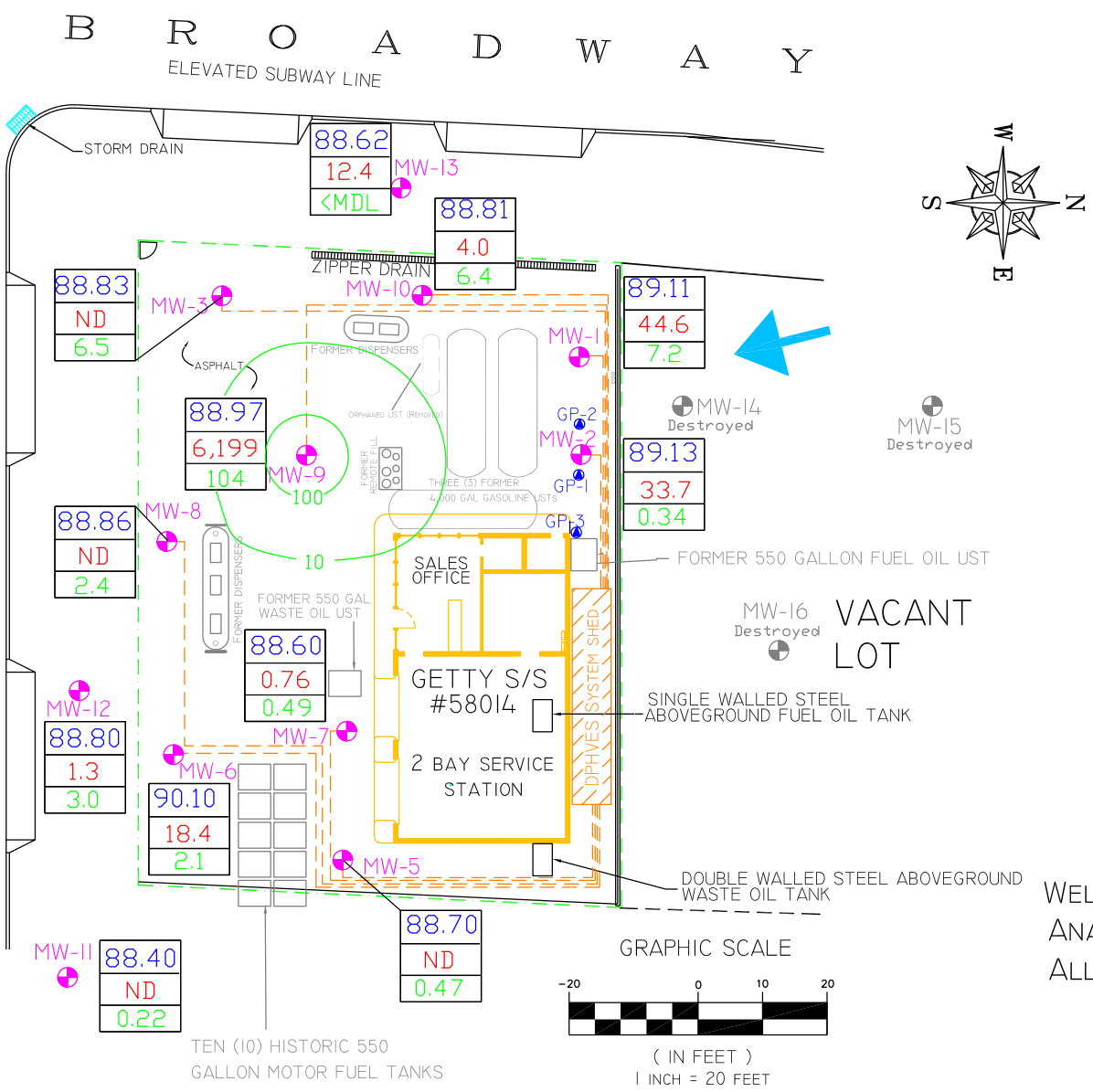
<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NC - Not Calculated NG- Not Gauged
NSP- No Sample, Free Product Detected

*Omitted from groundwater contouring due to anomalous groundwater elevation data.

Well Gauging Data Collected on 11/18/11
Analytical Data Collected on 11/18/11
All monitoring wells re-surveyed on 10/17/11

Tyree Environmental Corp

TITLE	Groundwater Analytical Results Map Total BTEX Plume (November 18, 2011)	
	SITE: Former Getty S/S #58014	SCALE
	LOCATION: 5510 Broadway Bronx, New York	As Shown
		PLATE
	CLIENT: Getty Properties Corporation	*Fig. 3*
	DRW BY: JK — DATE: 1/2012	



LEGEND

- Property Line
- MW-1 — Monitoring Well
- GP-1 — Soil Gas Point
- Dual Phase Extraction Piping
- Groundwater Flow Direction
- 10 — Inferred MTBE Contour Lines (ppb)
- 67.89 — Groundwater Elevation (ft)
- 34.5 — Total BTEX Concentrations
- 0.12 — MTBE Concentrations

<MDL Parameter Below Method Detection Limit
NA - No Sample, Well Not Accessible
NC - Not Calculated NG- Not Gauged
NSP- No Sample, Free Product Detected

*Omitted from groundwater contouring due to anomalous groundwater elevation data.

Well Gauging Data Collected on 11/18/11
Analytical Data Collected on 11/18/11
All monitoring wells re-surveyed on 10/17/11

Tyree Environmental Corp

TITLE: Groundwater Analytical Results Map
MTBE Plume (November 18, 2011)

SITE: FORMER GETTY S/S #58014	SCALE: As Shown
LOCATION: 5510 BROADWAY, BRONX, NEW YORK	PLATE:
CLIENT: GETTY PROPERTIES CORPORATION	*Fig. 4*
DRW BY: JK	DATE: 1/2012

APPENDIX A

LABORATORY ANALYTICAL REPORTS

New Jersey
ACCUTEST LABORATORIES

12/07/11

Technical Report for

Getty Properties Corporation

TYREENYF: #58014, 5510 Broadway, Bronx, NY

2110340-422

Accutest Job Number: JA92962

Sampling Date: 11/18/11

Report to:

The Tyree Company
125 Commerce Drive
Brookfield, CT 06804
tfranco@tyreeorg.com

ATTN: Tom Franco

Total number of pages in report: **31**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Kristyn Morrison 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Getty Properties Corporation

Job No: JA92962

TYREENYF: #58014, 5510 Broadway, Bronx, NY
Project No: 2110340-422

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA92962-1	11/18/11	09:40	BS	11/23/11	AQ	Ground Water	MW-1
JA92962-2	11/18/11	10:00	BS	11/23/11	AQ	Ground Water	MW-2
JA92962-3	11/18/11	08:45	BS	11/23/11	AQ	Ground Water	MW-3
JA92962-4	11/18/11	10:40	BS	11/23/11	AQ	Ground Water	MW-5
JA92962-5	11/18/11	10:55	BS	11/23/11	AQ	Ground Water	MW-6
JA92962-6	11/18/11	10:20	BS	11/23/11	AQ	Ground Water	MW-7
JA92962-7	11/18/11	11:10	BS	11/23/11	AQ	Ground Water	MW-8
JA92962-8	11/18/11	09:05	BS	11/23/11	AQ	Ground Water	MW-9
JA92962-9	11/18/11	09:20	BS	11/23/11	AQ	Ground Water	MW-10
JA92962-10	11/18/11	11:25	BS	11/23/11	AQ	Ground Water	MW-11
JA92962-11	11/18/11	11:40	BS	11/23/11	AQ	Ground Water	MW-12
JA92962-12	11/18/11	12:00	BS	11/23/11	AQ	Ground Water	MW-13

New Jersey

ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JA92962-1	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189841.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	37.9	1.0	0.22	ug/l	
108-88-3	Toluene	0.33	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	3.4	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	3.0	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.2	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%
17060-07-0	1,2-Dichloroethane-D4	90%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	90%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JA92962-2	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189842.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	7.1	1.0	0.22	ug/l	
108-88-3	Toluene	0.59	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	16.8	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	9.2	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.34	1.0	0.18	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	88%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JA92962-3	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189843.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.5	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%
17060-07-0	1,2-Dichloroethane-D4	90%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	90%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	JA92962-4	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189844.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.47	1.0	0.18	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	90%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JA92962-5	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189845.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	12.9	1.0	0.22	ug/l	
108-88-3	Toluene	0.60	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	4.0	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	0.85	1.0	0.17	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	87%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JA92962-6	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189846.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.76	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.49	1.0	0.18	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	89%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JA92962-7	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189847.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.4	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	88%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JA92962-8	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189839.D	25	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3250	25	5.5	ug/l	
108-88-3	Toluene	272	25	3.6	ug/l	
100-41-4	Ethylbenzene	907	25	5.3	ug/l	
1330-20-7	Xylene (total)	1770	25	4.3	ug/l	
1634-04-4	Methyl Tert Butyl Ether	104	25	4.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		77-120%
17060-07-0	1,2-Dichloroethane-D4	88%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	86%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JA92962-9	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189848.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.8	1.0	0.22	ug/l	
108-88-3	Toluene	0.22	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.4	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	97%		79-120%
460-00-4	4-Bromofluorobenzene	91%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	JA92962-10	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189849.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.22	1.0	0.18	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		77-120%
17060-07-0	1,2-Dichloroethane-D4	91%		70-127%
2037-26-5	Toluene-D8	95%		79-120%
460-00-4	4-Bromofluorobenzene	91%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	JA92962-11	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D189850.D	1	12/02/11	ET	n/a	n/a	VD7727
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.62	1.0	0.22	ug/l	J
108-88-3	Toluene	ND	1.0	0.15	ug/l	
100-41-4	Ethylbenzene	0.42	1.0	0.21	ug/l	J
1330-20-7	Xylene (total)	0.28	1.0	0.17	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	3.0	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		77-120%
17060-07-0	1,2-Dichloroethane-D4	89%		70-127%
2037-26-5	Toluene-D8	96%		79-120%
460-00-4	4-Bromofluorobenzene	91%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	MW-13		
Lab Sample ID:	JA92962-12	**Date Sampled:**	11/18/11
Matrix:	AQ - Ground Water	**Date Received:**	11/23/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	TYREENYF: #58014, 5510 Broadway, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D103475.D	1	12/02/11	ET	n/a	n/a	V2D4248
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	9.3	1.0	0.22	ug/l	
108-88-3	Toluene	0.60	1.0	0.15	ug/l	J
100-41-4	Ethylbenzene	0.75	1.0	0.21	ug/l	J
1330-20-7	Xylene (total)	1.7	1.0	0.17	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		77-120%
17060-07-0	1,2-Dichloroethane-D4	95%		70-127%
2037-26-5	Toluene-D8	99%		79-120%
460-00-4	4-Bromofluorobenzene	94%		76-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey

ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www.acutest.com

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #:
Accutest Quote #:
Accutest Job #: JA92962

Client / Reporting Information

Company Name: Tyree Environmental Corp
Street Address: 208 Route 109, Suite 100
City State Zip: Farmingdale, NY 11735
Project Contact E-mail: Tom Franco - TFranco@tyreeg.com
Phone #: 203-740-8200 x222 Fax #: -0450
Sampler(s) Name(s) Phone #: Brianna Scarto 631-249-3150 x508

Project Information

Project Name: Getty #58014
Street: 5510 Broadway
City State: Bronx NY
Project #: 2110340-422
Client Purchase Order #: Realty Job
Project Manager: Tom Franco

Billing Information (if different from Report to)
Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet): V8260BTXM

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	V8260BTXM	LAB USE ONLY
-1	MW-1		11/18/11	9:40	BS	GW	3	3								X	425
-2	MW-2		11/18/11	10:00	BS	GW	3	3								X	
-3	MW-3		11/18/11	8:45	BS	GW	3	3								X	
-4	MW-5		11/18/11	10:40	BS	GW	3	3								X	
-5	MW-6		11/18/11	10:55	BS	GW	3	3								X	
-6	MW-7		11/18/11	10:20	BS	GW	3	3								X	
-7	MW-8		11/18/11	11:10	BS	GW	3	3								X	
8	MW-9		11/18/11	9:05	BS	GW	3	3								X	
9	MW-10		11/18/11	9:20	BS	GW	3	3								X	
10	MW-11		11/18/11	11:25	BS	GW	3	3								X	
11	MW-12		11/18/11	11:40	BS	GW	3	3								X	
12	MW-13		11/18/11	12:00	BS	GW	3	3								X	

Turnaround Time (Business days)

- [x] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions: BTEX & MTBE via method 8260

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 Brianna Sto	11/18/11 17:00	1 Chris Law	2 Chris Law	11/23/11 1515	2 Mathews
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # — [ ] Intact [ ] Not Intact	Preserved where applicable [ ]	On Ice [x] Cooler Temp. 4.8°C

1

3.1 3

JA92962: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA92962 **Client:**

Date / Time Received: 11/23/2011 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	

Quality Control Preservatio	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA92962: Chain of Custody
Page 2 of 2

New Jersey
ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD7727-MB	D189834.D	1	12/02/11	ET	n/a	n/a	VD7727

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA92962-1, JA92962-2, JA92962-3, JA92962-4, JA92962-5, JA92962-6, JA92962-7, JA92962-8, JA92962-9, JA92962-10, JA92962-11

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	88%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	70-127%
2037-26-5	Toluene-D8	97%	79-120%
460-00-4	4-Bromofluorobenzene	90%	76-118%

Method Blank Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4248-MB	2D103468.D	1	12/02/11	ET	n/a	n/a	V2D4248

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA92962-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.21	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.18	ug/l	
108-88-3	Toluene	ND	1.0	0.15	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.17	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	77-120%
17060-07-0	1,2-Dichloroethane-D4	97%	70-127%
2037-26-5	Toluene-D8	97%	79-120%
460-00-4	4-Bromofluorobenzene	96%	76-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Blank Spike Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VD7727-BS	D189835.D	1	12/02/11	ET	n/a	n/a	VD7727

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA92962-1, JA92962-2, JA92962-3, JA92962-4, JA92962-5, JA92962-6, JA92962-7, JA92962-8, JA92962-9, JA92962-10, JA92962-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	52.1	104	76-119
100-41-4	Ethylbenzene	50	51.7	103	77-119
1634-04-4	Methyl Tert Butyl Ether	100	100	100	72-125
108-88-3	Toluene	50	53.5	107	77-122
1330-20-7	Xylene (total)	150	154	103	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	89%	77-120%
17060-07-0	1,2-Dichloroethane-D4	88%	70-127%
2037-26-5	Toluene-D8	96%	79-120%
460-00-4	4-Bromofluorobenzene	81%	76-118%

Blank Spike Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2D4248-BS	2D103469.D	1	12/02/11	ET	n/a	n/a	V2D4248

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA92962-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	49.1	98	76-119
100-41-4	Ethylbenzene	50	48.9	98	77-119
1634-04-4	Methyl Tert Butyl Ether	100	99.2	99	72-125
108-88-3	Toluene	50	50.1	100	77-122
1330-20-7	Xylene (total)	150	147	98	78-121

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	77-120%
17060-07-0	1,2-Dichloroethane-D4	94%	70-127%
2037-26-5	Toluene-D8	97%	79-120%
460-00-4	4-Bromofluorobenzene	90%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA92962-8MS	D189836.D	25	12/02/11	ET	n/a	n/a	VD7727
JA92962-8MSD	D189837.D	25	12/02/11	ET	n/a	n/a	VD7727
JA92962-8	D189839.D	25	12/02/11	ET	n/a	n/a	VD7727

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA92962-1, JA92962-2, JA92962-3, JA92962-4, JA92962-5, JA92962-6, JA92962-7, JA92962-8, JA92962-9, JA92962-10, JA92962-11

CAS No.	Compound	JA92962-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	3250		1250	4180	74	4290	83	3	40-139/12
100-41-4	Ethylbenzene	907		1250	2110	96	2170	101	3	40-140/12
1634-04-4	Methyl Tert Butyl Ether	104		1250	1400	104	1420	105	1	54-136/12
108-88-3	Toluene	272		1250	1570	104	1610	107	3	47-140/12
1330-20-7	Xylene (total)	1770		3750	5450	98	5570	101	2	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA92962-8	Limits
1868-53-7	Dibromofluoromethane	89%	90%	88%	77-120%
17060-07-0	1,2-Dichloroethane-D4	88%	88%	88%	70-127%
2037-26-5	Toluene-D8	96%	96%	97%	79-120%
460-00-4	4-Bromofluorobenzene	80%	81%	86%	76-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA92962-12MS	2D103479.D	1	12/02/11	ET	n/a	n/a	V2D4248
JA92962-12MSD	2D103480.D	1	12/02/11	ET	n/a	n/a	V2D4248
JA92962-12	2D103475.D	1	12/02/11	ET	n/a	n/a	V2D4248

The QC reported here applies to the following samples: **Method:** SW846 8260B

JA92962-12

CAS No.	Compound	JA92962-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	9.3		50	52.1	86	51.2	84	2	40-139/12
100-41-4	Ethylbenzene	0.75	J	50	46.5	92	45.5	90	2	40-140/12
1634-04-4	Methyl Tert Butyl Ether	ND		50	47.0	94	46.7	93	1	54-136/12
108-88-3	Toluene	0.60	J	50	46.9	93	45.9	91	2	47-140/12
1330-20-7	Xylene (total)	1.7		150	140	92	137	90	2	42-140/12

CAS No.	Surrogate Recoveries	MS	MSD	JA92962-12	Limits
1868-53-7	Dibromofluoromethane	91%	90%	93%	77-120%
17060-07-0	1,2-Dichloroethane-D4	89%	89%	95%	70-127%
2037-26-5	Toluene-D8	96%	96%	99%	79-120%
460-00-4	4-Bromofluorobenzene	92%	93%	94%	76-118%

Instrument Performance Check (BFB)

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: V2D4234-BFB
Lab File ID: 2D103158.D
Instrument ID: GCMS2D
Injection Date: 11/22/11
Injection Time: 08:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	20637	18.6		Pass
75	30.0 - 60.0% of mass 95	52525	47.3		Pass
95	Base peak, 100% relative abundance	111048	100.0		Pass
96	5.0 - 9.0% of mass 95	7446	6.71		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	108146	97.4		Pass
175	5.0 - 9.0% of mass 174	8176	7.36	(7.56) [a]	Pass
176	95.0 - 101.0% of mass 174	105736	95.2	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6789	6.11	(6.42) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2D4234-IC4234	2D103159.D	11/22/11	09:23	00:34	Initial cal 0.5
V2D4234-IC4234	2D103160.D	11/22/11	09:56	01:07	Initial cal 1
V2D4234-IC4234	2D103161.D	11/22/11	10:28	01:39	Initial cal 2
V2D4234-IC4234	2D103162.D	11/22/11	11:00	02:11	Initial cal 5
V2D4234-IC4234	2D103163.D	11/22/11	11:32	02:43	Initial cal 10
V2D4234-ICC4234	2D103165.D	11/22/11	12:37	03:48	Initial cal 50
V2D4234-IC4234	2D103166.D	11/22/11	13:09	04:20	Initial cal 100
V2D4234-IC4234	2D103167.D	11/22/11	13:41	04:52	Initial cal 200
V2D4234-IC4234	2D103169.D	11/22/11	14:46	05:57	Initial cal 20
V2D4234-ICV4234	2D103170.D	11/22/11	16:01	07:12	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: V2D4248-BFB
Lab File ID: 2D103464.D
Instrument ID: GCMS2D
Injection Date: 12/02/11
Injection Time: 08:43

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14492	19.7		Pass
75	30.0 - 60.0% of mass 95	35674	48.6		Pass
95	Base peak, 100% relative abundance	73384	100.0		Pass
96	5.0 - 9.0% of mass 95	4809	6.55		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	70736	96.4		Pass
175	5.0 - 9.0% of mass 174	5375	7.32	(7.60) [a]	Pass
176	95.0 - 101.0% of mass 174	68658	93.6	(97.1) [a]	Pass
177	5.0 - 9.0% of mass 176	4543	6.19	(6.62) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2D4248-CC4234	2D103466.D	12/02/11	10:12	01:29	Continuing cal 20
V2D4248-MB	2D103468.D	12/02/11	11:22	02:39	Method Blank
V2D4248-BS	2D103469.D	12/02/11	11:54	03:11	Blank Spike
ZZZZZZ	2D103472.D	12/02/11	13:30	04:47	(unrelated sample)
ZZZZZZ	2D103473.D	12/02/11	14:02	05:19	(unrelated sample)
ZZZZZZ	2D103474.D	12/02/11	14:34	05:51	(unrelated sample)
JA92962-12	2D103475.D	12/02/11	15:06	06:23	MW-13
ZZZZZZ	2D103476.D	12/02/11	15:38	06:55	(unrelated sample)
ZZZZZZ	2D103478.D	12/02/11	16:42	07:59	(unrelated sample)
JA92962-12MS	2D103479.D	12/02/11	17:14	08:31	Matrix Spike
JA92962-12MSD	2D103480.D	12/02/11	17:46	09:03	Matrix Spike Duplicate
ZZZZZZ	2D103482.D	12/02/11	18:50	10:07	(unrelated sample)
ZZZZZZ	2D103483.D	12/02/11	19:22	10:39	(unrelated sample)
ZZZZZZ	2D103484.D	12/02/11	19:54	11:11	(unrelated sample)
ZZZZZZ	2D103485.D	12/02/11	20:26	11:43	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VD7671-BFB
Lab File ID: D188518.D
Instrument ID: GCMSD
Injection Date: 10/28/11
Injection Time: 08:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14760	17.8		Pass
75	30.0 - 60.0% of mass 95	39411	47.5		Pass
95	Base peak, 100% relative abundance	83021	100.0		Pass
96	5.0 - 9.0% of mass 95	5575	6.72		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	67379	81.2		Pass
175	5.0 - 9.0% of mass 174	5024	6.05	(7.46) [a]	Pass
176	95.0 - 101.0% of mass 174	65571	79.0	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	4276	5.15	(6.52) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD7671-IC7671	D188519.D	10/28/11	09:24	00:31	Initial cal 0.5
VD7671-IC7671	D188520.D	10/28/11	09:53	01:00	Initial cal 1
VD7671-IC7671	D188521.D	10/28/11	10:23	01:30	Initial cal 2
VD7671-IC7671	D188522.D	10/28/11	10:52	01:59	Initial cal 5
VD7671-IC7671	D188523.D	10/28/11	11:22	02:29	Initial cal 10
VD7671-IC7671	D188524.D	10/28/11	11:51	02:58	Initial cal 20
VD7671-ICC7671	D188525.D	10/28/11	12:20	03:27	Initial cal 50
VD7671-ICV7671	D188526.D	10/28/11	12:50	03:57	Initial cal verification 50
VD7671-IC7671	D188527.D	10/28/11	13:19	04:26	Initial cal 100
VD7671-IC7671	D188528.D	10/28/11	13:48	04:55	Initial cal 200
VD7671-MB	D188531.D	10/28/11	15:33	06:40	Method Blank
VD7671-BS	D188532.D	10/28/11	16:15	07:22	Blank Spike
JA89370-5	D188534.D	10/28/11	17:31	08:38	(used for QC only; not part of job JA92962)
ZZZZZZ	D188535.D	10/28/11	18:05	09:12	(unrelated sample)
JA89370-5MS	D188536.D	10/28/11	18:41	09:48	Matrix Spike
JA89370-5MSD	D188537.D	10/28/11	19:13	10:20	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Sample: VD7727-BFB
Lab File ID: D189831.D
Instrument ID: GCMSD
Injection Date: 12/02/11
Injection Time: 00:55

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	14601	18.3		Pass
75	30.0 - 60.0% of mass 95	38067	47.6		Pass
95	Base peak, 100% relative abundance	79965	100.0		Pass
96	5.0 - 9.0% of mass 95	5521	6.90		Pass
173	Less than 2.0% of mass 174	341	0.43	(0.50) [a]	Pass
174	50.0 - 120.0% of mass 95	68688	85.9		Pass
175	5.0 - 9.0% of mass 174	4999	6.25	(7.28) [a]	Pass
176	95.0 - 101.0% of mass 174	66872	83.6	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4616	5.77	(6.90) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VD7727-CC7671	D189832.D	12/02/11	01:25	00:30	Continuing cal 50
VD7727-MB	D189834.D	12/02/11	02:24	01:29	Method Blank
VD7727-BS	D189835.D	12/02/11	02:54	01:59	Blank Spike
JA92962-8MS	D189836.D	12/02/11	03:24	02:29	Matrix Spike
JA92962-8MSD	D189837.D	12/02/11	03:53	02:58	Matrix Spike Duplicate
JA92962-8	D189839.D	12/02/11	04:53	03:58	MW-9
JA92962-1	D189841.D	12/02/11	05:53	04:58	MW-1
JA92962-2	D189842.D	12/02/11	06:23	05:28	MW-2
JA92962-3	D189843.D	12/02/11	06:53	05:58	MW-3
JA92962-4	D189844.D	12/02/11	07:22	06:27	MW-5
JA92962-5	D189845.D	12/02/11	07:52	06:57	MW-6
JA92962-6	D189846.D	12/02/11	08:22	07:27	MW-7
JA92962-7	D189847.D	12/02/11	08:52	07:57	MW-8
JA92962-9	D189848.D	12/02/11	09:22	08:27	MW-10
JA92962-10	D189849.D	12/02/11	09:52	08:57	MW-11
JA92962-11	D189850.D	12/02/11	10:22	09:27	MW-12

Volatile Surrogate Recovery Summary

Job Number: JA92962
Account: GETTYPC Getty Properties Corporation
Project: TYREENYF: #58014, 5510 Broadway, Bronx, NY

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JA92962-1	D189841.D	89.0	90.0	96.0	90.0
JA92962-2	D189842.D	88.0	89.0	96.0	88.0
JA92962-3	D189843.D	89.0	90.0	97.0	90.0
JA92962-4	D189844.D	88.0	89.0	97.0	90.0
JA92962-5	D189845.D	88.0	89.0	97.0	87.0
JA92962-6	D189846.D	89.0	89.0	97.0	89.0
JA92962-7	D189847.D	90.0	89.0	96.0	88.0
JA92962-8	D189839.D	88.0	88.0	97.0	86.0
JA92962-9	D189848.D	89.0	89.0	97.0	91.0
JA92962-10	D189849.D	89.0	91.0	95.0	91.0
JA92962-11	D189850.D	90.0	89.0	96.0	91.0
JA92962-12	2D103475.D	93.0	95.0	99.0	94.0
JA92962-12MS	2D103479.D	91.0	89.0	96.0	92.0
JA92962-12MSD	2D103480.D	90.0	89.0	96.0	93.0
JA92962-8MS	D189836.D	89.0	88.0	96.0	80.0
JA92962-8MSD	D189837.D	90.0	88.0	96.0	81.0
V2D4248-BS	2D103469.D	94.0	94.0	97.0	90.0
V2D4248-MB	2D103468.D	94.0	97.0	97.0	96.0
VD7727-BS	D189835.D	89.0	88.0	96.0	81.0
VD7727-MB	D189834.D	88.0	89.0	97.0	90.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	77-120%
S2 = 1,2-Dichloroethane-D4	70-127%
S3 = Toluene-D8	79-120%
S4 = 4-Bromofluorobenzene	76-118%

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 0904799

SPILL NAME: GETTY # 58014 **DEC LEAD:** KGHALE

CALLER NAME: JAMES SMITH **NOTIFIER'S NAME:** JAMES SMITH

CLR'S AGENCY: TYREE **NOTIFIER'S AGENCY:** TYREE

CALLER'S PHONE: (518) 786-3200 219 **NOTIFIER'S PHONE:** (518) 786-3200 219

SPILL DATE: 07/24/2009 **SPILL TIME:** 2:00 pm **DISPATCHER:**

CALL RECEIVED DATE: 07/24/2009 **RECEIVED TIME:** 2:00 pm MKSHERMA

SPILL LOCATION

PLACE: GETTY # 58014 **COUNTY:** Bronx

STREET: 5510 BROADWAY **TOWN/CITY:** New York City

COMMUNITY: BRONX

CONTACT: JAMES SMITH **CONTACT PHONE:** (518) 786-3200 219

CONT. FACTOR: Other **SPILL REPORTED BY:** Other

FACILITY TYPE: Gasoline Station **WATERBODY:**

CALLER REMARKS:

REMOVAL OF 3 4000 GALLON UST CONTAMINATED SOIL FOUND, CLEAN UP PENDING.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
GETTY # 58014	5510 BROADWAY BRONX NY	JAMES SMITH (518) 786-3200

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
1	4,000	Other	Unknown	Unknown		0.00	

DEC REMARKS:

Cross Ref: Spill #9311138
Per Mark Tibbe, case can probably be transfered to Jun Feng in Feb 2010.

12/1/2010 case is transferred to June Feng in association with existing spill #9311138

PIN **T & A** **COST CENTER**

CLASS: C4 **CLOSE DATE:** **MEETS STANDARDS:** False

Created On: 07/24/2009
Date Printed: 2/23/2012 Last Updated: 02/08/2012

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 0904799

SPILL NAME: GETTY # 58014 **DEC LEAD:** smsanges

SPILL DATE: 07/24/2009 **SPILL TIME:** 2:00 pm

CALL RECEIVED DATE: 07/24/2009 **RECEIVED TIME:** 2:00 pm

SPILL LOCATION

PLACE: GETTY # 58014 **COUNTY:** Bronx

STREET: 5510 BROADWAY **TOWN/CITY:** New York City

COMMUNITY: BRONX

CONTACT: JAMES SMITH **CONTACT PHONE:** (518) 786-3200 219

CONT. FACTOR: Other **SPILL REPORTED BY:** Other

FACILITY TYPE: Gasoline Station **WATERBODY:**

CALLER REMARKS:

REMOVAL OF 3 4000 GALLON UST CONTAMINATED SOIL FOUND, CLEAN UP PENDING.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum			Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
GETTY # 58014	5510 BROADWAY BRONX NY	JAMES SMITH (518) 786-3200

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
1	4,000	Other	Unknown	Unknown		0.00	

DEC REMARKS:

Cross Ref: Spill #9311138
Per Mark Tibbe, case can probably be transfered to Jun Feng in Feb 2010.

PIN **T & A** **COST CENTER**

CLASS: C4 **CLOSE DATE:** **MEETS STANDARDS:** False

Created On: 07/24/2009

Date Printed: 11/17/2010 Last Updated: 12/01/2009

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 9311138

SPILL NAME: GETTY S/S #58014 - GETTY PROPERTIES **DEC LEAD:** rjfeng

SPILL DATE: 12/14/1993 **SPILL TIME:** 3:30 pm

CALL RECEIVED DATE: 12/14/1993 **RECEIVED TIME:** 4:07 pm

SPILL LOCATION

PLACE: GETTY S/S #58014 - GETTY PROPERTIES **COUNTY:** Bronx

STREET: 5510 BROADWAY **TOWN/CITY:** New York City

COMMUNITY: BRONX

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Tank Test Failure **SPILL REPORTED BY:** Tank Tester

FACILITY TYPE: Gasoline Station **WATERBODY:**

CALLER REMARKS:
EXCAVATE NEXT.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum	-1 L	0 L	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
GETTY	NY	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure
	0	Gasoline			00	0.00	

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
10/10/95: This is additional information about material spilled from the translation of the old spill file: TTF. 3/13/03 REASSIGNED FROM ROMMEL TO VOUGHT.

9/17/2003-Vought-Spoke with Mr. Murray Dweck (2 Ethel Road, Suite 205A, Edison NJ 08818 fax 732-248-9115, phone 732-248-8200)
(contact for owner of adjacent property to the north (5530 Broadway). Mr Dweck will be constructing a building on entire footprint. Delienation needed on 5530 Broadway due to TAGM exceedances in MW1 and MW2. Vought will send letter to Getty requiring delineation via temporary Geoprobe wells before building is constructed.

9/22/2003-Vought-File review by Vought:

Letter from DEC to Murray Dweck-4/22/94-Letter from Eugene Sullivan(DEC) stating "we feel that you are not responsible for this contamination".

Environmental Site Investigation-Nov 1994-Tyree Organization-201-791-2186-Installation of six monitoring wells on-site and three monitoring wells installed on adjacent property of 5530 Broadway (spill #9311342). Toluene and MTBE exceedances

found in UW1. Groundwater at depth of 11'and flows to the west. .02' of free product found in MW2. Soil analyticals show 2330ppb benzene(Mw1), 1360ppb benzene(MW2), 1640ppb benzene(MW3), 89ppb benzene(MW5) and 355ppbb benzene(MW6). Groundwater analtyicals show 9430ppb benzene(MW1), 14000ppb benzene(MW2), 5270ppb benzene(MW3), 5550ppb benzene(MW5), 290ppb benzene(MW6), 1210ppb benzene(UW2-located on 5530 Broadway), 186ppb MTBE (UW1).

Letter from Tyree to Getty-May 1995-SVE pilot testing began Feb 1995. An effective radius of .1" of water was acheived at wel MW6 only. Recommendation is for another pilot test using a larger vacuum blower.

SVE Pilot Test-June 1995-Tyree-SVE test yielded and effective ROI of 10'. A vaccum of .1" of water was acheived at 10'. Installation of eight additional wells will be installed to cover contaminated area.

Remedial Action Plan-Oct 1995-Tyree-Proposal to install Dual Phase Extraction (DPE) system "to acheive the required radius o 10' as determined by SVE influence test". DPE system will be manifolded to 15 on-site wells. Monitoring will include 1)pressure and temp gauges 2)vapor effluent using PID 3)samling liquid effluent 4)sampling SVE system effluent

Status Reports-April 1996 thru Nov 1996-Tyree-Sampling of nine monitoring wells-Groundwater at depths of 6-9'. MW5 was paved over. Sept 1996 groundwater samples show 2150ppb benzene(MW1), 8850ppb benzene(MW2), 1650ppb bezene(MW3), 6900ppb benzene(MW6), 1210ppb benzene(UW2).

Letter from DEC to Scott Hanley(Getty)-1/21/97-Letter from DEC(O'Dowd) to Hanley including unsigned STIP agreement.

Quarterly Status Reports-March thru May 1997-Sampling of nine monitoring wells-Groundwater at depths of 6-9'. MW5 was paved over. Sept 1996 groundwater samples show 2600ppb benzene(MW1), 8970ppb benzene(MW2), 2820ppb bezene(MW3), 2970ppb benzene(MW6), 131ppb benzene(UW2), 83.9ppb benzene(UW1).

DPE Pilot Test -July 1997-Tyree-MW2 was pilot test well. In May 1997 three micro wells were installed for using during DPE pilot test. Included in pilot test were groundwater elevation monitoring, groundwater recovery rate, induced vacuum readings, VOC vapor monitoring and sampling, effluent sampling. Pilot test indicated "that a 20 foot vapor ROI can be acheived". Test found that a DPE feasible due to 20' vapor and gw ROI.

Quarterly Status Reports-June 1997 thru Nov 1997-Tyree-Sampling of thirteen monitoring wells-Groundwater at depths of 6-9'. MW5 was uncovered. Sept 1996 groundwater samples show 1810ppb benzene(MW1), 6560ppb benzene(MW2), 1460ppb bezene(MW3), 461ppb benzene(MW5), 4780ppb benzene(MW6), 2230ppb benzene(UW2), 17.9ppb benzene(UW1), 4420ppb benzene(MW7), 6720ppb benzene(MW8), 701ppb benzene(MW10).

Quarterly Status Reports-Dec 1997 thru Aug 1998-Tyree-Sampling of ten on-site monitoring wells. Groundwater at d epths of 11-14'. July 1998 groundwater samples show 3460ppb benzene(MW1), 8220ppb benzene(MW2), 1160ppb bezene(MW3), 963ppb benzene(MW5), 10600ppb benzene(MW6), 7340ppb benzene(MW7), 11600ppb benzene(MW8), 10400ppb benzene(MW9), 1280ppb benzene(MW10).

Quarterly Status Reports-Sept 1998 thru Nov 1998-Tyree-DPHVE (Dual Phase High Vacuum Extraction System) started on Aug 28, 1998. Effluent air samples were collected for analysis and influent and effluent water samples were also collected for analysis. Groundwater flow to the south/southeast.

Quarterly Status Reports-Dec 1998 thru July 24, 2003. System not operational from April 2001 thru June 2001 due to electrical problems. System not operational from May 2001 thru Aug 2002 due to replacement of transfer pump. System not operational during March 2003. Groundwater flow to the southeast. Monthly system checks and quarterly sampling of air discharge and water influent and effluent. Nine monitoring wells on-site. Groundwater at depth of 10-14'.

9/23/2003-Vought-After file review NYSDEC requires: 1)sampling/current status of wells at 5530 Broadway 2)submission of remediation system plan including stack height and air flow(cfm) 3)Installation of two borings across West 230th Street and one boring west of MW1 4)sampling of system influent and effluent due to Not Accessible listing in data 5)Monthly sampling of influent and effluent versus current quarterly sampling. Vought sent letter with above requirements and a Stipulation Agreement on 9/24/03. Vought called David Pachan (Tyree-518-786-3200) and summarized the above.

9/25/2003-Vought-Spoke with Pachan and three adjacent wells were unable to be located due to debris as of 9/24/03. Debris is

so thick that unable to get drill rig in. Vought called adjacent property owner (Murray Dweck-732-248-8200) and advised him to remove debris to obtain water sample and return call to DEC to obtain number of Pachan.

9/26/03-Email from Tyree(Pachan) to Dec(Vought)-9/26/03. "Just confrimed today with the property owner and my tech that the off site wells are no longer there". "We will have to get a Geoprobe rig in there for the groundwater samples and according to the propery owner access shouldn't be a problem there is a 20 foot access gate and he is being very cooperative".

11/11/03-Received Investigation Plan (Tyree) as per STIP. Proposal for installation of six soil borings to soil and groundwater. Boring locations include two borings on the west side of West 230th Street, one boring west of MW1 and three boirngs on the adjacent property to the north (5530 Broadway).

12/1/03-Letter from DEC(Vought) to Tyree. "This Department hereby approves Tyree Org for the installation of soil boirngs in sidewalks along Broadway and West 230th Street".

Quarterly Monitoring Report (Tyree)-Oct 2003 thru Dec 2003. Nine wells on-site, no free product, groundwater flow to the southeast. Remedial activities include Dual Phase High Vacuum Extraction System with monthly system checks, quarterly sampling of air discharge and water inffluent/effluent. Groundwater analyticals show 51ppb benzene(MW1), 1350ppb benzene(MW2), 32.5ppb MTBE(MW3), 19.1ppb MTBE(MW5), 91ppb benzene(MW6), 244ppb benzene(MW7), 28.4ppb benzene(MW8), 8790ppb benzene(MW9) and 7.99ppb benzene(MW10). Water influent shows 175ppb benzene.

1/16/04-Email sent from Vought to Tyree requesting status of STIPs sent out on 9/24/03. Subsurface Investigation Report(Tyree- David Pachan)-1/19/04. Vacant property to the north, commercial properities to the south and west, commercial parking lot to the east. Six Geoprobe borings performed on 12/12/03. Report recommends "Continue with quarterly groundwater monitoring and operation of the DPHVES. Results from this investigation show that the contaminatin does not appear to be migrating off-site. There may be an off-site source for the contamination that was found upgradient of the site in B2 and B3". Soil analyticals sh
ow no TAGM 4046 exceedance in boring samples. Groundwater analyticals show: 366ppb benzene(B2), 1370ppb napthalene(B2), 328ppb benzene(B3) and 871ppb napthalene(B3). Boring logs show "strong odors in soil at depth of 8" below grade".

2/2/04-Vought-Received copy of signed STIPULATION Agreement. Stipulation implemented on 2/3/04 by DEC Kunkel.

2/20/04-Vought-After file review DEC requires: 1)monthly influent/effluent sampling 2)stack height and air flow (cfm) of system 3)placement of remediation system on site plan 4)upgradient sources to contamination found in B2 and B3. Vought sent email to David Pachan (Tyree) with requirements to be included in RAP.

8/5/04-Vought-New file review by Vought:

Email from Tyree (Pachan)-9/26/03. "Just confirmed today with the property owner and my Tech that the off site wells are no longer there." Parking lot was torn up and replaced with undeveloped land. "We will have to get a Geoprobe rig in there for groundwater samples". Vought approved of borings.

Email from Tryee (Pachan)-10/2/03. Email with stack statistics for comparison to SVE Benzene Emission Limits.

8/6/04-Vought-Sent email to Pachan and Lindell requiring: 1)water flow rate through air stripper 2)surrounding property map 3)formal copy of the RAP 4)possible expansion of the system to include 5530 Broadway 5)monthly inffluent and effluent sampling.

10/8/04-Vought-New file review by Vought:

Email from Tyree (Pachan) to DEC Vought-8/9/04. "The design flow rate through the stripper is 5 gallons per minute". "I am also going to lower all the stingers in the wells that are connected to the system so that we can pull more water". "The surrounding property map is attached below". "The RAP is being overnighted to you". "The DPE pilot test does show that the ROI's do cover the locations of B2 and B3". "Since the system has not been pulling water we have been unable to sample the influent and effluent streams monthly. I intend to modify the system.

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 9311138

SPILL NAME: GETTY S/S #58014 - GETTY PROPERTIES **DEC LEAD:** rjfeng

Vapor Extraction Influence Pilot Test-6/30/95. "The greatest effective ROI obtained on this site was 10 feet".

Remedial Action Plan-10/11/95. Proposal for Dual Phase Extraction.

Dual Phase Extraction Pilot Test Report (Tyree)-7/2/97. "This plot indicates that a 20 foot vapor ROI can be acheived".

08/31/2005 - Feng - Project transferred from Vought to Feng.

09/09/2005 - Feng - This Getty spill site is the source of contamination for the adjacent site on 5530 Broadway, Bronx, NY. For the concern of sensible receptors that arisen due to the future construction of a synagogue on the 5530 Broadway, a letter sent to Kevin Shea (Getty), Paul Hatcher (Tyree) and Paul Lindell (Delta) to requires additional investigation/remediation as listed below:
1. Delineation of Soil and Groundwater Contamination of Adjacent Site at 5530 Broadway (by November 11, 2005)
2. A revised Remedial Action Plan to include 5530 Broadway (by December 23, 2005)

10/18/2005 - Feng - Spill 04-12485 has been consolidated into this spill

11/8/2005 - Feng - Due day for soil/groundwater will be extended to the mid December because Tyree has to get the signed access agreement from the developer of 5510 Broadway.

12/22/2005 - Feng - 12/21/2005 Email from Scott Cunningham (Tyree) saying that the Subsurface Investigation Report for the adjacent property is in the way, will be here by next week.

2/2/2006 - Feng - Email Scott Cunningham asked about the status of the site investigation report. (RJF)

4/25/2006 - Feng - Reviewed the SIR dated 1/20/2006 submitted by Tyree. Tyree performed the offsite investigation at the sidewalk adjacent to West 230th Street (W-11 and W-12), sidewalk adjacent to Broadway Street (W-13) and the adjacent property 5530 Broadway (W-14, W-15 and W-16). W-12, high VOCs in groundwater. W-16, high SVOCs in soil and FP (sheen) detected in groundwater. Tyree recommended to: 1) tie W-16 into the DPVES and used as one of the vapor recovery wells.
2) reduce the vaccum in W-1, W-3, W-5 and W-10 to allow greater vaccum at extraction wells W-2, W-6, W-7, W-8 and W-16.
3) W-2 will have increased vaccum to provide influence at W-14, W-12 will be influence by the increase in vaccum at W-6 and W-8. 4) continue with quarterly monitoring and sampling of the monitoring wells will provide sufficient data collection to verify the groundwater conditions and the effectiveness of the existing DPVES on the 5510 Broadway property.
Emailed Scott Cunningham "I read the SIR, dated 1/20/2006. So there is contamination found in
the sidewalk adjacent to West 230th St. (W-12) and 5530 Broadway (W-16) and remediation will be needed. So have you done what you recommended yet? And have you informed the owner of the property of 5530, Elite Murray about the investigation result and future remediation? Is he
going to construct some building structure on top of 5530 this year? so let him know what you guys doing on his property and make sure there is no misunderstanding."

4/25/2006 - Feng - Email from Scott Cunningham:
"The person I have been in contact with regarding 5530 Broadway is Eli Dweck from Kimberly Associates. He has told me that there will be a building on the property in the future, but not right away. He is leasing the property to Prude Construction so they can store equipment and materials there for work they are doing down the street.

As far as the system recommendations, the vacuum adjustments have not been made due to the systems main vacuum blower is in the shop for repair. So right now the system is not operational. The repair to the blower should be completed hopefully this week, and we will get the system running, make the adjustments mentioned in the SIR, and see how those adjustments effect the levels on and off the site.

I will notify you as soon as the system is operational. Thanks"

11/15/2006 - Feng - Quarterly Monitoring Report, 8/2006 - 10/2006, 10/2006, by Tyree. Groundwater sampled and gauged 9/26/2006. 15 monitoring wells. DTW 10.64' to 15.41' bg. Flow direction southeast. No LNAPL. BTEX range ND to 6,007.3 ppb. MTBE range ND to 1,130 ppb. All ND for MW-14, MW-15 and MW-16 which locate in the adjacent property. DPES

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effluent was not sampled this month. (RJF)

2/7/2007 - Feng - Quarterly Monitoring Report, 10/2006 - 12/2006, 12/2006, by Tyree. Groundwater sampled 12/11/2006. 15 monitoring wells. DTW 11.13' to 15.22' bg. Flows southeast. No LNAPL. MW-1, 1.07 ppb BTEX, 3.27 ppb MTBE. MW-2, 7,114 ppb BTEX, 58.9 ppb MTBE. MW-3, 1.04 ppb BTEX, 5.54 ppb MTBE. MW-5, dry. MW-6, 43.2 ppb BTEX, 20.1 ppb MTBE. MW-7, 410.6 ppb BTEX, 19.9 ppb MTBE. MW-8, BDL. MW-9, 6,672 ppb BTEX, 1,410 ppb MTBE. MW-10, Not accessible. MW-11, BDL. MW-12, 21.19 ppb BTEX, 1 ppb MTBE. MW-13, 3.62 ppb BTEX, 2.14 ppb MTBE. MW-14, MW-15, and MW-16, not accessible. Noted that DPVES operational as of 7/12/2006, Liquid phase not operational as of 12/2006, and new belts for the system will be installed pior to next quarter sampling event. (RJF)

6/19/2007 - Feng - Quarterly Monitoring Report, 12/2006 - 3/2007, 3/2007. Groundwater sampled 3/13/2007. 15 monitoring wells were sampled. DTW 11.16' to 14.53' bg. Flows to southeast. No LNAPL. MW-2, 4,061 ppb BTEX, 28 ppb MTBE. MW-7, 341 ppb BTEX, 18 ppb MTBE. MW-9, 6,885 ppb BTEX, 938 ppb MTBE. Other wells were low. MW-14, MW-15 and MW-16 were not accessible. DPES running. The system is currently off due to electrical difficulties. Tyree contacted Con Ed about the situation. (RJF)

9/27/2007 - Feng - Quarterly Monitoring Report, 4/2007 - 6/2007, 7/2007. Groundwater sampled 6/15/2007. 15 monitoring wells were sampled. DTW 9.95' to 15.56' bg. Flows to southeast. LNAPL in MW-16 (0.01'). MW-1, 1.1 ppb BTEX, MTBE BDL. MW-2, 4,534 ppb BTEX, MTBE BDL. MW-3, BTEX BDL, 2.8 ppb MTBE. MW-5, BDL. MW-6, 28.7 ppb BTEX, 12.5 ppb MTBE. MW-7, 345.2 ppb BTEX, 20.4 ppb MTBE. MW-8, BDL. M
W-9, 6,217.9 ppb BTEX, 1,350 ppb MTBE. MW-10, BDL. MW-11, BDL. MW-12, BDL. MW-13, 1.5 ppb BTEX, MTBE BDL. MW-14, BDL. MW-15, BDL. MW-16, BDL. (RJF)

11/8/2007 - Feng - Portfolio meeting with Delta and Tyree. There is been electrical problem and the system is not operational. DEC required to have EVR events on MW-16 for MW-16 has shown some sheen in the last few quarters as Tyree mentioned. (RJF)

1/28/2008 - Feng - Quarterly Monitoring Report, 7/2007 - 10/2007, 11/2007. Active gasoline retail/service station. Groundwater gauged and sampled 10/1/2007. 15 monitoring wells. DTW 12' to 16.56' bg. Flows to southeast. NO LNAPL. BTEX range ND to 7,903.4 ppb (W-9). MTBE range ND to 1,380 ppb (W-9).

Email to D. Madigan (Tyree) for status of the EVFR events and the restart of the DPES. (RJF)

3/19/2008 - Feng - eDoc Quarterly Monitoring Report 4Q2007. (RJF)

3/24/2008 - Feng - Quarterly Monitoring Report, 11/2007 - 2/2008, 2/2008. Active gasoline retail service station. Groundwater was gauged and sampled 12/26/2007. 15 monitoring wells. DTW 11.29' to 15.48' bg. Flows to southest. No LNAPL. BTEX range ND to 7,697 ppb (W-9). MTBE range ND to 1,210 ppb (W-9). (RJF)

8/27/2008 - Quarterly Monitoring Report, 3/2008 - 5/2008, 6/2008. Active gasoline retail service station. Spill cause, tank test failure 12/14/1993. Spill source, former USTs onsite. Groundwater was gauged and sampled 5/2/2008. 15 monitoring wells. DTW 10.26' to 16.88' bg. flows to southeast. BTEX range ND to 6,264 ppb (MW-9). MTBE range ND to 415 ppb (MW-9). (RJF)

9/4/2008 - Getty Properties portfolio meeting with Tyree and Delta. Will check the Sandborn map for history research of the vacant property. W-2, w-9 to be operational, RAP by 10/2008. (RJF)

1/6/2009 - Getty Properties portfolio meeting with Delta and Tyree. Tyree is having problem getting the electrical power. Tyree will send Con Edison contact information for DEC's assistance. SanBorn maps in the submitted quarterly report. (RJF)

4/30/2009 - Quarterly Monitoring Report, 8/2008 - 10/2008, 12/2008, by Tyree. Active gasoline retail/service station. Groundwater was gauged and sampled 10/31/2008. 15 monitoring wells. DTW 11.11' to 16.40' bg. Flows to southeast. NO LNAPL. BTEX range nD to 6,840 ppb (W-9). MTBE range ND to 1,060 ppb (W-9). 10/23/2008, EVR was conducted on MW-16 and removed 270 gallons of water/gasoline mixture, waste manifest is included. Dual Phase High Vacuum Extraction System is monthly checked, quarterly sampled of the air discharge and water influent and effluent. The system is off due to the electrical difficulties. SanBorn maps are attached.

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email Jen Kotch (Tyree) for review summary of the SanBorn maps because the maps are hard to read (small and blur letters). (RJF)

7/24/2009 - Jim Lantowski from Tyree called. They are removing the tanks and asked if they need to remove the encased concrete or could drilling through the concrete to take endpoint samples. Told him to remove the concrete bottom and then take the samples because the concrete might impede from future drilling at this area. (RJF)

7/24/2009 - email from Jim Smith. They reported a spill based on petroleum impacted soil newly discover below the formerly encased tanks bottom slab. Spill 09-04799 was assigned for the new spill. They asked for "game strategy for removal of impacted soils". (RJF)

7/27/2009 - email replied to Jim Smith (Tyree). "I couldn't come out today. Please remove as much impacted soil as possible based on safety and practical extent, then take post excavation samples. If there is no new tanks to be in this area, then the next step I would require a couple of monitoring wells to be installed over here for groundwater data. The site will be then re-evaluate based on the new data, further investigation and remediation may be required." (RJF)

7/28/2009 - Jim Smith called. They think that the impacted soil is not
from Marketing, but rather from the old spill. They propose to put a poly sheeting and backfill.

Called Jim Smith back and left voice message, follow by email. DEC will call Getty Properties to see if they want to take the opportunity to remove the soil, leave the excavation open for now. And endpoint samples shall be taken and submit the tank closure report. Tibbe called Paul Lindell. Paul Lindell said they will work something out with Getty Marketing. (RJF)

11/6/2009 - 2Q2009, 4/2009-6/2009, 9/2009, pdf, by Tyree. Active gasoline retail service station. 15 monitoring wells. Groundwater was gauged 4/23/2009, 5/26/2009, 6/11/2009, 6/26/2009 and 7/14/2009. NO LNAPL. DTW 9.8' to 14.43' bg. Flows to southeast. Groundwater was sampled 7/16/2009. BTEX range ND to 3,400 ppb (MW-9). MTBE range ND to 531 ppb (MW-9). Remedial strategy will be determined by divestment activities. (RJF)

11/12/2009 - Tank Closure Report, dated 10/8/2009, pdf, by Tyree. On July 21 to 29, 2009, Tyree was contracted by Getty Petroleum Marketing to remove 3 (4,000-gallon) single wall steel USTs (2 gasoline and 1 diesel) encased in concrete and 5 dispensers at this site. The tank veseels appeared to be in good shape with no evidence of holes, scaling or pitting. 1 (550-gallon) ghost UST was observed upon removing the concrete slab from underneath the encased USTs, as well as petroleum stained soil. No soil, neither the ghost tank was removed. A new spill number 09-04799 was assigned to the site. The 3 USTs were cleaned and transported to Gershow Recycling in Medford, NY. 11 post excavation soil samples were collected from the tankfield and 4 were collected from the dispenser and run for 8260 and 8270. North Tank Bottom, 1,530 ug/Kg benzene, 50,900 naphthalene, 818,000 xylene, 126,000 ethylbenzene, 115,000 toluene. North Dispenser, 590 benzene, 27,470 xylenes, 3,970 ethylbenzene, 14,600 toluene. (RJF)

7/6/2010 - Subsurface Investigation Report, dated 4/29/2010, by Tyree. On October 21, 2009, Tyree oversaw Associated Enviromental Service during the advancement of 9 soil borings SB-1 to SB-9 using Geoprobe 6620DT drill rig and direct push method. Soil borings were drilled from 7-20 feet bg. 18 soil samples were collected. SB-1 (5-10'), BDL. SB-1 (15-20'), BDL. SB-2 (0-5'), 1,830 xylenes, 2,042 BTEX. SB-2 (5-7), 1,570 xylenes, 1,679 BTEX. SB-3 (5-10'), BDL. SB-3 (10-15'), 1,620 xylenes, 8,400 xylenes, 10,839 BTEX, 4,010 1,2,4-trimethylbenzene. SB-4 (5-10'), 1,190 benzene, 16,500 toluene, 25,100 ethylbenzene, 129,000 xylenes, 171,790 BTEX, 11,000 n-propylbenzene, 98,000 1,2,4-trimethylbenzene, 29,800 1,3,5-trimethylbenzene, 21,000 naphthalene. SB-4 (15-20'), 1,180 benzene, 20,400 toluene, 10,400 ethylbenzene, 51,600 xylenes, 83,580 BTEX, 4,540 n-propylbenzene, 33,100 1,2,4-trimethylbenzene. SB-5 (5-10), 165 benzene, 4,500 toluene, 10,300 ethylbenzene, 115,000 xylenes, 129,965 BTEX, 8,560 n-propylbenzene, 86,100 1,2,4-trimethylbenzene, 23,200 1,3,5-trimethylbenzene, 15,200 naphthalene. SB-5 (15-20'), BDL. SB-6 (10-15'), 228 benzene, 1,400 xylenes, 2,665 BTEX, 5,860 n-propylbenzene. SB-6 (15-20'), BDL. SB-7 (10-15'), 2,760 ethylbenzene, 11,400 xylenes, 14,284 BTEX, 11,100 1,2,4-trimethylbenzene. SB-7 (15-20'), low/BDL. SB-8 (10-15'), 290 benzene, 1,340 xylenes, 2,100 BTEX, 4,100 1,2,4-trimethylbenzene. SB-8 (15-20'), 60 benzene. SB-9 (10-15'), 14,300 1,2,4-trimethylbenzene, 13,900 1,3,5-trimethylbenzene. SB-9 (15-20'), low/BDL.

Tyree claimed that "the elevated VOCs impacts in soil were identified in soil borings advanced in the vicinity of Getty Marketing's tank field and the former dispenser and downgradient of Getty Marketing former remote fills. The October 2009 investigation

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suggests that the soils have been adversely impacted by Marketing's operation which only recently ceased in 7/2009. The groundwater data collected from the existing monitoring well network supports this conclusion as the majo
rity of the impacts in groundwater are identified in monitoring wells adjacent to and downgradient of Marketing's former tank system while groundwater impacts near Properties's former 550-gallon tank field are minimal". Tyree requests to close spill 93-11138 and that Marketing address the remaining subsurface impacts under spill 0--04799 which as assigned to Marketing during their 7/2009 tank removal activities.

7/7/2010 - email to Tyree with comments on the SIR. 1) if the ghost tank hasn't been removed, then remove it; 2) register the ghost tank; 3) register the 550's tanks that were removed; 4) initiate legal case if no one do what DEC requires.

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** **MEETS STANDARDS:** False

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 9311342

SPILL NAME: 5530 BROADWAY **DEC LEAD:** JMROMMEL

SPILL DATE: 12/20/1993 **SPILL TIME:** 4:00 pm

CALL RECEIVED DATE: 12/20/1993 **RECEIVED TIME:** 4:27 pm

SPILL LOCATION

PLACE: 5530 BROADWAY **COUNTY:** Bronx

STREET: 5530 BROADWAY **TOWN/CITY:** New York City

COMMUNITY: BRONX

CONTACT: **CONTACT PHONE:**

CONT. FACTOR: Unknown **SPILL REPORTED BY:** Other

FACILITY TYPE: Commercial/Industrial **WATERBODY:**

CALLER REMARKS:

AROMATIC HYDROCARBONS - WILL TALK TO REGION.

MATERIAL	CLASS	SPILLED	RECOVERED	RESOURCES AFFECTED
Gasoline	Petroleum	0 G	0 G	Soil,

POTENTIAL SPILLERS

COMPANY	ADDRESS	CONTACT
	Update ZZ	

Tank No.	Tank Size	Material	Cause	Source	Test Method	Leak Rate	Gross Failure

DEC REMARKS:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
10/10/95: This is additional information about material spilled from the translation of the old spill file: SUBSURFACE INVESTIGA.

03/15/01

Reassigned from Miller to Rommel

9/22/2003-Vought-See spill #9311138. This spill: Borings performed as part of possible lease by Taco Bell. In May 1993 seven soil borings performed by Giles Engineering Associates. Contamination found in one water samples. Taco Bell hired Unico to install three monitoring wells in Dec 1993. Elevated BTEX and MTBE found in well UW-1.

9/22/2003-Vought-See spill #9311138 at 5510 Broadway (Getty Marketing) which is source of spill. This spill closed by Vought

NYSDEC SPILL REPORT FORM

DEC REGION: 2 **SPILL NUMBER:** 9311342

SPILL NAME: 5530 BROADWAY **DEC LEAD:** JMROMMEL

as per Rommel.

9/07/05-Vought-Spoke to Ben Rajotte (Cad Waldader 212-504-5633) who is representing owner of 402 Avenue U. Ben inquired about the current status of Getty Marketing's remedial efforts. Vought referred Ben to DEC Feng. Rajotte requested a copy of consent order upon DEC determination that it is FOILable.

PIN **T & A** **COST CENTER**

CLASS: C3 **CLOSE DATE:** 09/22/2003 **MEETS STANDARDS:** False

New York State Department of Environmental Conservation
Hazardous Waste and Petroleum Remediation Section
Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, New York 11101-5407
Phone: (718)482-6364 • FAX: (718)482-6358
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

September 22, 2003

Mr. Murray Dweck
Quick Quality Restaurants, Inc.
P.O. Box 3145
Edison, NY 08818
Fax: (732) 248-9115

Spill#: 9311342 Closed
Re: 5530 Broadway, Bronx, NY

Dear Mr. Dweck:

Based on the submitted documentation provided to date, no further investigation or response will be required concerning this site, with regard to the spill number referenced above.

Notwithstanding this approval, the Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary:

I. Due to the off-site migration of petroleum contaminants that was not addressed by this evaluation

II. Due to environmental conditions related to the site which were unknown to the Department at the time of this approval.

III. Due to information received, in whole or part, after the Department's approval for inactivation, which indicates the inactivation decision and/or corrective action is not sufficiently protective of human health for the reasonably anticipated use of the site.

IV. Due to fraud in obtaining this approval for inactivation.

Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this release for future property transactions, refinancing, etc. The Department's files regarding this release may not be maintained indefinitely. If there are any questions concerning this issue, please call me at (718) 482-6364.

Sincerely,

Jeffrey Vought

Jeffrey Vought
Engineering Geologist

[illegible]ment. Additional borings/monitoring wells may be required by the Department upon [illegible] of the investigation report. **An Investigation Report including analytical results shall [illegible]submitted to the Department by November 11, 2005.** Additional borings/monitoring wells may be required by the Department upon review of the above report.

[illegible]ediation for 5530 Broadway: As per the site plan of the Dual Phase Extraction (DPE) [illegible] indicated on Reference 2, 5530 Broadway was not covered by the existing remediation system. Therefore, a **revised Remedial Action Plan** to include **5530 Broadway** must be **submitted to the Department by December 23, 2005 for review and approval.**

If you have any questions, please call my office at 718-482-4998.

Sincerely,

Ruilun Feng
Environmental Engineer
Environmental Remediation Division-Region 2

cc: Joe Sun, NYSDEC
Paul Hatcher, Tyree
Paul Lindell, Delta

Cause: Unknown
Source: Commercial/Industrial
Resource Affected: Soil
Waterbody:

Record Close

Date Spill Closed: 09/22/2003

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Other Links of Interest

Information about the Spill Response and Remediation Program
Phone Numbers for Spill Response and Remediation

Division of Spill Prevention, Response And Remediation
223-34 60th Avenue, Queens Village, New York 11429
Phone # 718-776-6080 Fax # 718-217-0247

Date: 04-22-94

Mr. Murray Dweck
Quick Quality Restaurants, Inc.
P.O. Box 3145
Edison NY 08818

Re: Getty Service Station 5510 Broadway Bronx NY
Spill# 93-11138

Dear Mr. Dweck:

NY State D.E.C. has reviewed the environmental reports from Giles Engineering Associates dated 06-25-93 and from Unico Environmental Inc. dated 12-15-93. We have noted that the southern portion of your property (adjacent to the existing Getty Service Station) has an area of hydrocarbon contamination. NY State D.E.C. feels that the Getty S/S is responsible for the contamination on your site. This service station has been ordered to an environmental evaluation as soon as possible. We feel that you are not responsible for this contamination.

If you are contemplating renovation of your property, this contamination should not pose a serious problem as any remediation work that will be necessary can be done from the adjacent (Getty Service Station) property.

If you have any questions please call me at (718) 776-6080.

Sincerely,

Eugene P. Sullivan
Environmental Engineer
NY State Department of
Environmental Conservation

cc: file

New York State Department of
Environmental Conservation

Spill Incidents Database Search

More Information:

Environmental Remediation Databases
Glossary of Spills Database Terms

More searches:
Next Spill Incidents Search

Other Links of Interest...

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 9311138

Spill Date/Time

Spill Date: 12/14/1993 **Spill Time:** 03:30 PM
Call Received Date: 12/14/1993 **Call Received Time:** 04:07 PM

Location

Spill Name: GETTY S/S #58014 - GETTY PROPERTIES
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled:
Gasoline

Amount Spilled:
-1.0000 lbs.

New York State Department of
Environmental Conservation

Spill Incidents Database Search

More information:

Environmental Remediation Databases
Glossary of Spills Database Terms

More searches:
New Spill Incidents Search

Other Links of Interest...

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 9311342

Spill Date/Time

Spill Date: 12/20/1993 **Spill Time:** 04:00 PM
Call Received Date: 12/20/1993 **Call Received Time:** 04:27 PM

Location

Spill Name: 5530 BROADWAY
Address: 5530 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled:
Gasoline

Amount Spilled:
0.0000 Gal.

The Tyree Organization, Ltd.

Albany
1 Northway Lane, Latham, NY 12110 · Fax: 518-786-7351 · Phone: 518-786-3200

Mr. Eli Dweck,

Please review the directive from the NYSDEC to Getty Realty Corporation (Getty). The Tyree Company is a subcontractor for Getty and therefore need access to the property at 5530 Broadway, Bronx, N.Y. Please sign the Access Agreement provided and return it to The Tyree Company as soon as possible. As you can see on page 2, the NYSDEC require this to be completed and reported to the department by November 11th, 2005.

Thank you for your anticipated cooperation.

Scott Cunningham
Project Manager

Post-it® Fax Note 7671	Date 11/8/05	# of pages ▶ 8
To Ben Rajotte	From E Dweck	
Co./Dept.	Co.	
Phone #	Phone #	
Fax # 212-504-6666	Fax #	

The Tyree Company
1 Northway Lane
Latham, N.Y. 12110
518-786-3200 (ext. 205)

The Tyree Organization

Access Agreement

I, Eli M. Dweck, do hereby authorize the New York State Department of Environmental Conservation (NYSDEC), their contractor the Tyree Company (Tyree), and their subcontractors to enter the property located at 5530 Broadway – Bronx, New York for the purpose of performing a subsurface investigation. I understand that Tyree is conducting the work for and under the direction of Mr. Rui June Fong of the NYSDEC Region 2 Office in Long Island City, New York. Work and activities associated with the investigation at this time are drilling of monitoring wells, sampling of the soil and groundwater from each boring location, and sampling of the groundwater during the future quarterly sampling events.

Tyree will repair any damage that may occur as a result of investigation activities by Tyree or it's subcontractors. The property owner and tenant will be notified in advance of any planned activities.

At any time the property owner and tenant may contact Tyree if there are any questions or concerns about work being performed on the property. A contact name and telephone number will be provided to the property owner.

Upon request the property owner will be provided copies of information and data collected from the property during this investigation.

NYSDEC Contractor Representative:

Scott Cunningham
Project Manager
The Tyree Company
1 Northway Lane
Latham, NY 12110

Date

Agreed and consented to:

Property Owner Signature

ELI M. DWECK

Printed Name of Property Owner

Member, Kim Sterling Assoc., LLC

11/9/05

Date of Authorization

Cause: Tank Test Failure
Source: Gasoline Station
Resource Affected: Soil
Waterbody:
PBS #:
Tank #:
Tank Size: 0
Test Method: Unknown
Leak Rate: 0.00

Record Close

Date Spill Closed: Not closed

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Other Links of Interest

Information about the Spill Response and Remediation Program
Phone Numbers for Spill Response and Remediation

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101-5407
Phone: (718) 482-4998 • Fax: (718) 482-6358
Website: www.dec.state.ny.us

Denise M. Sheehan
Acting Commissioner

September 08, 2005

#58014

Attn: Mr. Kevin Shea
Getty Properties Corporation
125 Jericho Turnpike
Jericho, New York 11753

Re: 5510 Broadway, Bronx, NY
Spill #: 93-11138 → open

→ Gray Realty
DEC

References:
1. Subsurface Investigation Report, dated January 19, 2004.
2. Dual Phase Extraction (DPE) pilot test report, dated July 2, 1997.

Dear Mr. Shea:

The New York State Department of Environmental Conservation (the Department) has reviewed the files from past for the site located at 5510 Broadway, Bronx, NY. This Getty spill site is the source of contamination for the adjacent site on 5530 Broadway, Bronx, NY. For the concern of sensible receptors that arisen due to the future construction of a synagogue on the 5530 Broadway, the Department requires the additional investigation/remediation as listed below:

1. Delineation of Soil and Groundwater Contamination of Adjacent Site at 5530 Broadway: According to the Subsurface Investigation Report (see Reference 1), the volatile organic analytical results for groundwater show that the concentration of Benzene, n-Propylbenzene, n-Butylbenzene, Naphthalene and MTBE were all exceed to TAGM 4046. Therefore, a subsurface investigation to adequately characterize site hydrogeology and to completely delineate the full extent of petroleum contamination to soil and groundwater of this site must be performed. The soil will be sampled continuously with a PID. The deepest dry soil sample and the sample with the highest PID reading in each boring/well will be sent for EPA Method 8260/8270 analyses and the results will be sent to the Department. A water sample will be obtained at each boring location and submitted for EPA Method 8260/8270 analyses. *Note that MTBE must be included on all future soil and groundwater analyses.* If contaminated groundwater is encountered, at least three monitoring wells will be installed and groundwater flow direction will be determined. Prior to installation all utilities will be located and marked out. A report summarizing the findings of the subsurface investigation including boring logs, well installation logs, sample analyticals, site plan, conclusions and recommendations must be submitted to the

Case manager: DEC - ~~Rui~~ ~~Feng~~ June Fang retiring
718-482-4998 (on leave)

Supervisor → 718-482-4679 ← Aug 16th

Gas Site?

Mark Tibbe

Vadim Brevdo
718-482-4928 (Monday)

Gmail Calendar Documents Reader Web more ▾ kathleen.moler@gmail.com | Se

Search Mail | Search the Web | Show search options | Create a filter

Compose Mail
Inbox (18)
Sent Mail
Drafts (34)
Trash
5510 Broadway
Family Tree
Personal Stuff (1)
15 more▾
Contacts
Tasks
Chat
Search, add, or invite
Kathleen Moler
Set status here
jenngress
Robert Moler
Kira Moler
lisa
Sean Moler
Options Add Contact
Invite a friend
Give Gmail to:
Send Invite 50 left
Preview Invite

Breitling Oil & Gas - www.breitlingoil.com - Oil & Gas Investments Direct Participation. Now Funding.

« Back to Inbox | Archive | Report spam | Delete | Move to | Labels | More actions ‹ New

5510 Broadway, Bronx - January 18, 2010 - Please call me as soon as possible

Inbox x

New window
Print all
Expand all
Forward all

Kathleen Moler Sue, Please call me as soon as possible as I am in contact with my lawyer and... Jan 18 (2 days ago)

Sue Regan to me, Dobson, M.J., Martin show details Jan 18 (1 day ago) Reply

Kathy -

It is my understanding that Getty Realty will be doing an environmental clean up at this location, not Getty Petroleum. Also, our engineers are going to be going back to the location to clean up the bays, etc. You can contact the territory rep Vlad Singer at 800-325-4388 x 301 to get more of an idea of what work is going to be done over there. I am not really involved with this, but have been forwarding your pictures and emails throughout the company so that the necessary people will be on board. I am waiting to get a copy of the insurance binder, and will forward to you once I receive it.

Sue Regan
Getty Petroleum Marketing Inc. a subsidiary of LUKOIL Oil Company
Real Estate Department
86 Doremus Avenue
Newark, NJ 07105
O: 973-679-2358
F: 973-344-8369
C: 973-879-2596

From: Kathleen Moler [mailto:kathleen.moler@gmail.com]
Sent: Mon 1/18/2010 10:11 AM
To: Sue Regan
Cc: Dobson, M.J.; Martin Shaw
Subject: 5510 Broadway, Bronx - January 18, 2010 - Please call me as soon as possible
- Show quoted text -

Reply Reply to all Forward

Martin Shaw Sue, In addition, please check on the status of Getty Realty's securing the p... Jan 18 (1 day ago)

Kathleen Moler to Sue, Dobson, M.J., Martin show details Jan 18 (1 day ago) Reply

Dear Sue,

Thank you for your response. I have directed my attorney to communicate with you in regard to securing the property which is extremely important for the moment. We have contacted Kingsbridge Fence Company and received their estimate in the amount of $4,900 and will forward that on to you.

Since we have had this missed communication, we would appreciate it if you could contact the property individuals within Getty and advise them that we expect remediation in the form of monthly rent until the site is clear of environmental issues and other Getty property.

Sincerely,
Kathy Moler
831-662-3236

On Mon, Jan 18, 2010 at 10:29 AM, Sue Regan <sregan@lukoilusa.com> wrote:
- Show quoted text -

Reply Reply to all Forward

Map this
86 Doremus A
Newark, NJ 0
350 Fifth Ave
New York, Ne

Sponsored L
Spill Kits & Oil
Lowest Prices in t
Huge Inventory &
www.321Galaxy.c

Millionaire REI
I'll Show You How
A Month; Free Ne
RealEstateRiches

Rubberizer® Sc
to rubber like solid
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RUBBERIZER.CC

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Peppermint Oil »
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Metro Environmental Services, LLC

4301 Boston Post Rd, Bronx, NY 10466
Phone# 718-652-0200 Fax# 718-652-0333

TIGHTNESS TEST COVER SHEET

Date: 1/5/08

Facility: Getty # 58014
Address: 5510 Broadway
Bronx, NY 10463

ID/PBS #: 2-153532

Violation #:

Tank Tests

PBS/ID #	Product	System	Rate	Pass/Fail	Log #	Notes
1	Diesel	EZY 3 LP		Pass		System test
2	Regular	EZY 3 LP		Pass		System test
3	Premium	EZY 3 LP		Pass		System test

Line Tests

Product	System	Rate	Pass/Fail	LD	Log #	Notes
Regular 9	EZ Chek		Pass			Suction lines
Premium 10	EZ Chek		Pass			Suction lines

Vapor Testing

Test Performed	Pass/Fail	Notes
Pressure Decay		
Dry Blockages		
Wet Blockages		
A/L Test		
PV Cap Test		

Misc Info: Compliance testing.

Technician: Thomas R. Anderson

Signature:

Certs:

EZY 3LP & Chek # 72-1691 Exp 07/09
Petrotite #NYM0202041506C EXP 08/08
NYCFD # 81075293 Exp 5/9/09
West.Co. # T00148 Exp 8/5/08, Suff.Co. # 158
CT# 1935 Exp 12/31/008, NJ# 207152 Exp 07/31/10

Metro Environmental Services, LLC

4301 Boston Post Rd, Bronx, NY 10466
Phone # 718-652-0200 Fax # 718-652-0333

TANK TEST FINAL REPORT

EZY 3 LOCATOR PLUS - Vacuum Test

DATE	1/5/08	ID/PBS #	2-153532
TOTAL TANK VOL.	4000	TANK ID #	1
PRODUCT VOL.	2485	LOCATION	Getty # 58014
ULLAGE VOL.	1515		5510 Broadway
PRODUCT TYPE	Diesel		Bronx, NY 10463

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

Pass — TIGHT TANK SYSTEM AS OF TEST DATE
This underground storage tank and line **PASSES** the criteria set forth by the U.S. E.P.A.

_____ ULLAGE (DRY) PORTION LEAK
This underground storage tank **FAILS** the criteria set forth by the U.S. E.P.A.

_____ BELOW PRODUCT LEVEL (WET) PORTION LEAK
This underground storage tank **FAILS** the criteria set forth by the U.S. E.P.A.

WATER SENSOR INDICATES:
(CHECK ONLY ONE)

NO H2O INTRUSION: _____ H2O INTRUSION: _____ N/A: XXX

OPERATOR INFORMATION:

PRINT NAME: Thomas Anderson

CERTIFICATION #'s:
EZY 3LP & Chek # 72-1691 Exp 07/09
Petrotite #NYM0202041506C EXP 08/08
NYCFD # 81075293 Exp 5/9/09
West.Co. # T00148 Exp 8/5/08, Suff.Co. # 158
CT# 1935 Exp 12/31/008, NJ# 207152 Exp 07/31/10

SIGN NAME: _____

Metro Environmental Services, LLC

4301 Boston Post Rd, Bronx, NY 10466
Phone # 718-652-0200 Fax # 718-652-0333

TANK TEST FINAL REPORT

EZY 3 LOCATOR PLUS - Vacuum Test

DATE	1/5/08	ID/PBS #	2-153532
TOTAL TANK VOL.	4000	TANK ID #	2
PRODUCT VOL.	3335	LOCATION	Getty # 58014
ULLAGE VOL.	665		5510 Broadway
PRODUCT TYPE	Regular		Bronx, NY 10463

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

Pass — TIGHT TANK SYSTEM AS OF TEST DATE
This underground storage tank and line **PASSES** the criteria set forth by the U.S. E.P.A. tested with Regular 3/4 line as a system.

ULLAGE (DRY) PORTION LEAK
This underground storage tank **FAILS** the criteria set forth by the U.S. E.P.A.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
This underground storage tank **FAILS** the criteria set forth by the U.S. E.P.A.

WATER SENSOR INDICATES:
(CHECK ONLY ONE)

NO H2O INTRUSION: _____ H2O INTRUSION: _____ N/A: XXX

OPERATOR INFORMATION:

PRINT NAME: Thomas Anderson

CERTIFICATION #'s:
EZY 3LP & Chek # 72-1691 Exp 07/09
Petrotite #NYM0202041506C EXP 08/08
NYCFD # 81075293 Exp 5/9/09
West.Co. # T00148 Exp 8/5/08, Suff.Co. # 158
CT# 1935 Exp 12/31/008, NJ# 207152 Exp 07/31/10

SIGN NAME: _____

Metro Environmental Services, LLC

4301 Boston Post Rd, Bronx, NY 10466
Phone # 718-652-0200 Fax # 718-652-0333

TANK TEST FINAL REPORT

EZY 3 LOCATOR PLUS - Vacuum Test

DATE	1/5/08	ID/PBS #	2-153532
TOTAL TANK VOL.	4000	TANK ID #	3
PRODUCT VOL.	2335	LOCATION	Getty # 58014
ULLAGE VOL.	1665		5510 Broadway
PRODUCT TYPE	Premium		Bronx, NY 10463

THE ACOUSTIC CHARACTERISTIC OF A LEAK REVEALS:

Pass — TIGHT TANK SYSTEM AS OF TEST DATE
This underground storage tank and line **PASSES** the criteria set forth by the U.S. E.P.A. tested with Premium 1/2 and 6 lines as a system.

ULLAGE (DRY) PORTION LEAK
This underground storage tank **FAILS** the criteria set forth by the U.S. E.P.A.

BELOW PRODUCT LEVEL (WET) PORTION LEAK
This underground storage tank **FAILS** the criteria set forth by the U.S. E.P.A.

WATER SENSOR INDICATES:
(CHECK ONLY ONE)

NO H2O INTRUSION: _____ H2O INTRUSION: _____ N/A: XXX

OPERATOR INFORMATION:

PRINT NAME: Thomas Anderson

CERTIFICATION #'s:
EZY 3LP & Chek # 72-1691 Exp 07/09
Petrotite #NYM0202041506C EXP 08/08
NYCFD # 81075293 Exp 5/9/09
West.Co. # T00148 Exp 8/5/08, Suff.Co. # 158
CT# 1935 Exp 12/31/008, NJ# 207152 Exp 07/31/10

SIGN NAME: _____

Metro Environmental Services, LLC
4301 Boston Post Rd, Bronx, NY 10466
Phone # 718-652-0200 Fax # 718-652-0333

Line and Leak Detector Test Results

Station: Getty # 58014 **Date:** 1/5/08

Address: 5510 Broadway

Bronx, NY 10463 **ID/PBS #:** 2-153532

Product Line Tests

Product #1	Regular 9	**Product #2**	Premium 10	**Product #3**		**Product #4**	
Test Psi:	12	Test Psi:	12	Test Psi:		Test Psi:	
Start Time:	5:05 PM	Start Time:	5:20 PM	Start Time:		Start Time:	
1st level (gph):	0.0296	1st level (gph):	0.0000	1st level (gph):		1st level (gph):	
2nd Level (gph):	0.0148	2nd Level (gph):	0.0148	2nd Level (gph):		2nd Level (gph):	
Final Level (gph):	0.0000	Final Level (gph):	0.0148	Final Level (gph):		Final Level (gph):	
End Time:	5:50 PM	End Time:	6:05 PM	End Time:		End Time:	
Duration (min.):	45	Duration (min.):	45	Duration (min.):	45	Duration (min.):	45
Leak Rate (gph):	0.0148	Leak Rate (gph):	0.0099	Leak Rate (gph):	0.0000	Leak Rate (gph):	0.0000
Results:	**Pass**	***Results:***	**Pass**	***Results:***		***Results:***	

Leak Detector Tests

LD Make:		LD Make:		LD Make:		LD Make:	
LD Model:		LD Model:		LD Model:		LD Model:	
LD Serial#:		LD Serial#:		LD Serial#:		LD Serial#:	
Leak Rate (gph):	3.0	Leak Rate (gph):	3.0	Leak Rate (gph):	3.0	Leak Rate (gph):	3.0
Operating Psi:		Operating Psi:		Operating Psi:		Operating Psi:	
Holding Psi:		Holding Psi:		Holding Psi:		Holding Psi:	
Resiliency (ml):		Resiliency (ml):		Resiliency (ml):		Resiliency (ml):	
Open Time (sec.):		Open Time (sec.):		Open Time (sec.):		Open Time (sec.):	
LD Results:		***LD Results:***		***LD Results:***		***LD Results:***	

Replacment Leak Detector Tests

New LD Make:		New LD Make:		New LD Make:		New LD Make:	
New LD Model:		New LD Model:		New LD Model:		New LD Model:	
New LD Serial#:		New LD Serial#:		New LD Serial#:		New LD Serial#:	
New LD Results:		***New LD Results:***		***New LD Results:***		***New LD Results:***	

Technician: Thomaas Anderson

Certifications: EZY 3LP & Chek # 72-1691 Exp 07/09

Petrotite #NYM0202041506C EXP 08/08

NYCFD # 81075293 Exp 5/9/09

West.Co. # T00148 Exp 8/5/08, Suff.Co. # 158

CT# 1935 Exp 12/31/008, NJ# 207152 Exp 07/31/10

Signiture:

METRO ENVIRONMENTAL SERVICES, LLC

4301 Boston Post Rd, Bronx, NY 10466 Phone# 718-652-0200 Fax# 718-652-0333

EZY 3 LOCATOR PLUS — **PRESSURE CALCULATION & WATER SENSOR CALIBRATION**

DATE: 1/5/08
TOTAL TANK VOL.: 4K
PRODUCT VOL.: 2485
ULLAGE VOL.: 1,515
PRODUCT TYPE: DIESEL

PBS# (NEW YORK): 2-153537
TANK #: 1
LOCATION: GETTY # 58014
5510 BROADWAY
BRONX, NY 10463

Tech Sign:

Certifications: Thomas Anderson EZY 3 LP # 72-1691

PRESSURE SENSOR CALCULATION

41 INCHES of PRODUCT	X	.031 WEIGHT of PRODUCT	=	1.28	0.00 PSI (1)
0 INCHES of WATER in TANK	X	0.036	=	0	0.00 PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.28	0.00 PSI (3)
0 INCHES of WATER OUTSIDE TANK	X	0.036	=	0	0.00 PSI (4)
Total Head Pressure Minus Outside Water Pressure			=	1.28	0.00 +/- PSI (5)
Always add .5 PSI			+	.50	PSI (6)
TEST PRESSURE			=	1.78	+/- PSI (7)

NOTE: If Line 6 is Less than .5 PSI, Line 7 shall be .5 PSI

	TIME	PRESSURE
Blower Started:	3:48	0
Test Pressure Reached:	4:09	1.84
Blower Turned Off:	4:15	1.90
Test Began:	4:16	1.89
Test Ended:	4:19	1.87

Depth of Groundwater Determined:
By: EZYSTICK
Where: SEAMLINE BETWEEN DIESEL + PREM TANKS
PASS w/ LINES AS SYSTEM

WATER SENSOR CALIBRATION N/A

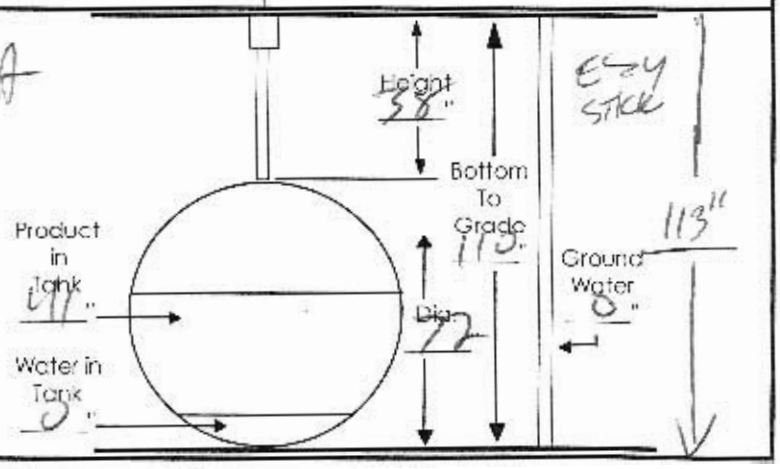
Added: Cal #1 ____ Cal #2 ____ Cal #3 ____

Average:

Water Intrusion Test Period: Began: ____ Ended: ____

Calculation for Test Period:

____ ÷ 3780 = ____ ÷ .05 ____ X 60 = ____
Ave. Cal. "A" Factor Min. Time of test



METRO ENVIRONMENTAL SERVICES, LLC

4301 Boston Post Rd, Bronx, NY 10466 Phone# 718-652-0200 Fax# 718-652-0333

EZY 3 LOCATOR PLUS — **PRESSURE CALCULATION & WATER SENSOR CALIBRATION**

DATE 1/5/08

TOTAL TANK VOL. 4,000

PRODUCT VOL. 3,335

ULLAGE VOL. 665

PRODUCT TYPE REG

PBS# (NEW YORK) 2-453532

TANK # 2

LOCATION GETTY # 58014
5510 BROADWAY
BRONX, NY

Tech Sign

Certifications: Thomas Anderson EZY 3 LP # 72-1691

PRESSURE SENSOR CALCULATION

53 INCHES of PRODUCT	X	.026 WEIGHT of PRODUCT	=	1.38	0.00 PSI (1)
0 INCHES of WATER in TANK	X	0.036	=	0	0.00 PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.38	0.00 PSI (3)
0 INCHES of WATER OUTSIDE TANK	X	0.036	=	0	0.00 PSI (4)
Total Head Pressure Minus Outside Water Pressure			=	1.38	0.00 +/- PSI (5)
Always add .5 PSI			+	.50	PSI (6)
NOTE: If Line 6 is Less than .5 PSI, Line 7 shall be .5 PSI					
TEST PRESSURE			=	1.88	+/- PSI (7)

	TIME	PRESSURE
Blower Started:	3:48	0
Test Pressure Reached:	4.09	1.88
Blower Turned Off:	4:15	1.92
Test Began:	4:20	1.89
Test Ended:	4:23	1.87

Depth of Groundwater Determined:

By: EZY STICK

Where: SEAMLINE BETWEEN DIESEL AND PREM TANKS

PASS w/ REG #3/4 LINE AS SYSTEM

WATER SENSOR CALIBRATION N/A

Added: Cal # 1 ____ Cal # 2 ____ Cal # 3 ____

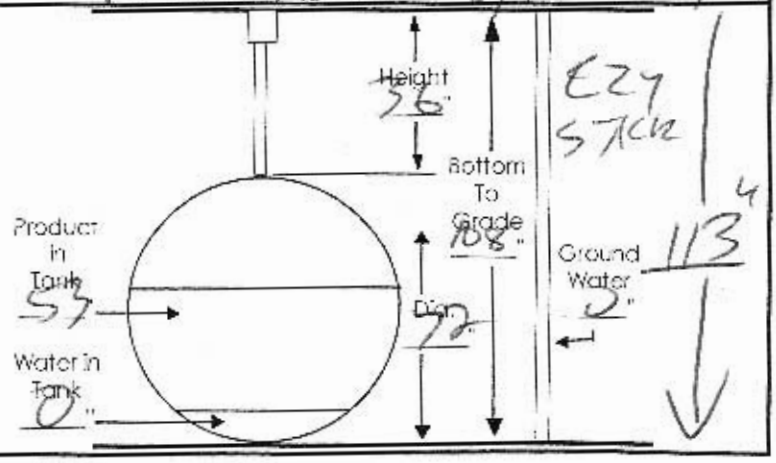
Average: ____

Water Intrusion Test Period: Began: ____ Ended: ____

Calculation for Test Period:

____ ÷ 3780 = ____ ÷ .05 ____ X 30 = ____

Avg. Cal. "A" Factor Min. Time of test



METRO ENVIRONMENTAL SERVICES, LLC

4301 Boston Post Rd, Bronx, NY 10466 Phone# 718-652-0200 Fax# 718-652-0333

EZY 3 LOCATOR PLUS — **PRESSURE CALCULATION & WATER SENSOR CALIBRATION**

DATE	1/5/08	PBS# (NEW YORK)	2-153532
TOTAL TANK VOL.	4,000	TANK #	3
PRODUCT VOL.	2,335	LOCATION	GETTY # 58014
ULLAGE VOL.	1,665		5510 BROADWAY
PRODUCT TYPE	PREMIUM		BRONX, NY 10463

Tech Sign

Certifications: Thomas Anderson EZY 3 LP # 72-1691

PRESSURE SENSOR CALCULATION

39 INCHES of PRODUCT	X	.026 WEIGHT of PRODUCT	=	1.02	0.00 PSI (1)
0 INCHES of WATER in TANK	X	0.036	=	0	0.00 PSI (2)
Line 1 + Line 2 = Total Positive Head Pressure In Tank			=	1.02	0.00 PSI (3)
0 INCHES of WATER OUTSIDE TANK	X	0.036	=	0	0.00 PSI (4)
Total Head Pressure Minus Outside Water Pressure			=	1.02	0.00 +/- PSI (5)
Always add .5 PSI			+	.50	PSI (6)
NOTE: If Line 6 is Less than .5 PSI, Line 7 shall be .5 PSI					
TEST PRESSURE			=	1.52	+/- PSI (7)

	TIME	PRESSURE
Blower Started:	1:32	0
Test Pressure Reached:	1:43	1.52
Blower Turned Off:	1:48	1.59
Test Began:	1:49	1.58
Test Ended:	1:52	1.55

Depth of Groundwater Determined:

By: EZY STICK

Where: SEAM LINE BETWEEN DIESEL + PREMIUMS

PASS w/ PREM #1/2 + #6 LINES AS SYSTEM

WATER SENSOR CALIBRATION N/A

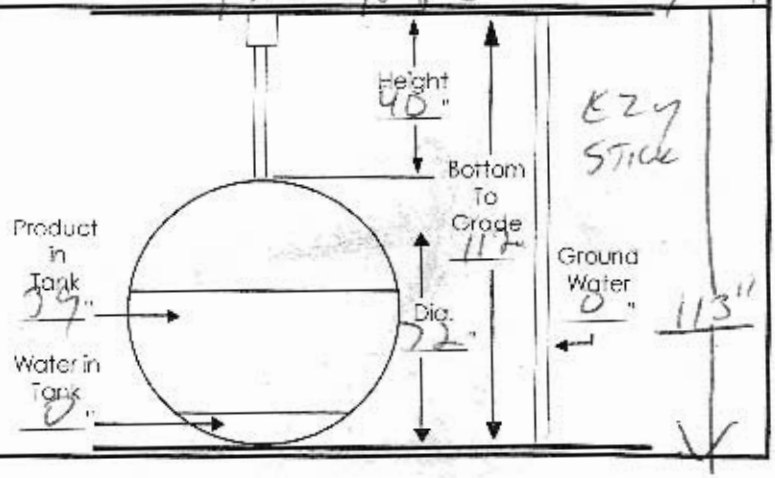
	Cal # 1	Cal # 2	Cal # 3
Added:			
Average:			

Water Intrusion Test Period: Began: _____ Ended: _____

Calculation for Test Period:

_____ ÷ 3780 = _____ ÷ .05 _____ X 60 = _____

Ave. Cal. "A" Factor Min. Time of test



Metro Environmental Services, LLC
4301 Boston Post Rd, Bronx, NY 10466
Phone# 718-652-0200 Fax# 718-652-0333

EZY CHEK SYSTEMS
PRODUCT LINE TEST DATA SHEET

TEST SITE: GETTY # 58014 TEST DATE: 1/5/08
ADDRESS: 5510 BRONXWAY BRONX, NY 10463 PBS: 2-153532

TECH NAME & CERT #: Thomas Anderson EZY Chek # 72-1691

TECH SIGNITURE:

Test Product: DIESEL #5 Pressure: 12 PSI
EURO - UNION CF UNION

M/T	TIME	DATA	-/+	GPL	RES	GPH
	~~115~~	~~81~~		~~.0037~~		
~~T~~	~~130~~	~~80~~	~~1~~	~~.0037~~	~~.0037~~	~~.0148~~
~~T~~	~~145~~	~~80~~	~~0~~	~~.0037~~	~~0~~	~~0~~
~~T~~	~~200~~	~~80~~	~~0~~	~~.0037~~	~~0~~	~~0~~
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		

EURO
DIESEL #5 7/8+5
EURO

Test Product: PREM 1/2 Pressure:

				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		

EURO
AKSO

Test Product: DIESEL 3/4 Pressure: 12

M/T	TIME	DATA	-/+	GPL	RES	GPH
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		

EURO
DIESEL 12
PASS

Test Product: PREM #6 Pressure: 12

				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		

EURO
PREM
PASS

Metro Environmental Services, LLC
4301 Boston Post Rd, Bronx, NY 10466
Phone# 718-652-0200 Fax# 718-652-0333

EZY CHEK SYSTEMS
PRODUCT LINE TEST DATA SHEET

TEST SITE: GETTY # 58014
ADDRESS: 5510 BRONX PWAY
BRONX, NY 10463

TEST DATE: 1/5/08

PBS: 2-153532

TECH NAME & CERT #: Thomas Anderson EZY Chek # 72-1691

TECH SIGNITURE:

Test Product: DIESEL 7/8 **Pressure:**

M/T	TIME	DATA	-/+	GPL	RES	GPH
				.0037		
	EURO			.0037		
				.0037		
	SUCTION			.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		

Test Product: REG 9 **Pressure:** 12 BI

M/T	TIME	DATA	-/+	GPL	RES	GPH
	4:35	30	—	.0037	—	—
T	4:50	27	-3	.0037	.0111	.0444
T	5:05	25	-2	.0037	.0074	.0296
T	5:20	23	-2	.0037	.0074	.0296
T	5:35	22	-1	.0037	.0037	.0148
T	5:50	22	0	.0037	0	0
		PASS		.0037		
				.0037		
				.0037		
				.0037		
				.0037		

Test Product: **Pressure:**

				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		
				.0037		

Test Product: PREM 10 **Pressure:** 12 BI

M/T	TIME	DATA	-/+	GPL	RES	GPH
	5:05	76	—	.0037	—	—
T	5:20	74	-2	.0037	.0074	.0296
T	5:35	73	-1	.0037	.0037	.0148
T	5:50	72	-1	.0037	.0037	.0148
T	6:05	72	0	.0037	0	0
		PASS		.0037		
				.0037		
				.0037		
				.0037		
				.0037		

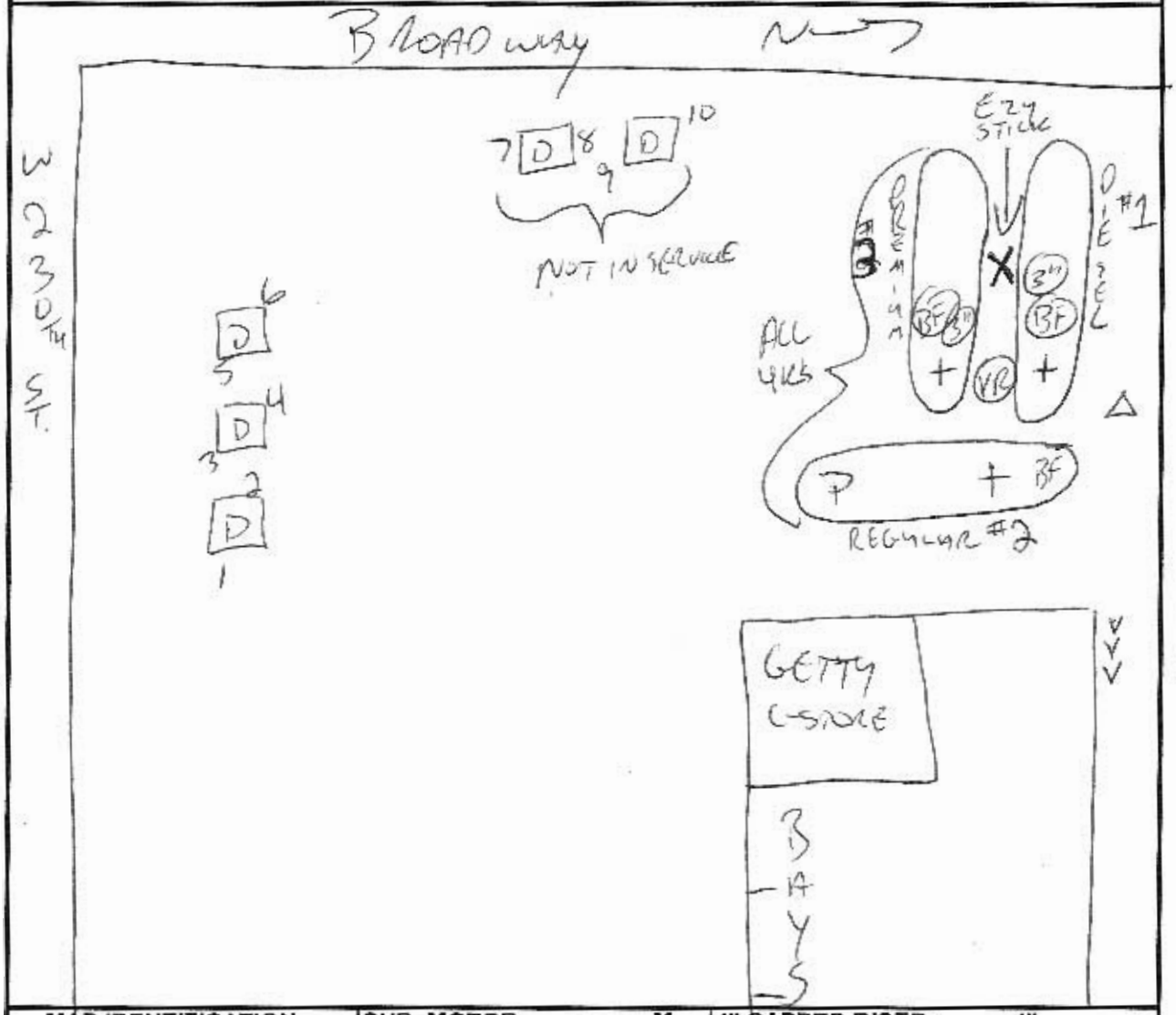
Metro Environmental Services, LLC

4301 Boston Post Rd, Bronx, NY 10466
Phone# 718-652-0200 Fax# 718-652-0333

TEST SITE: GETTY # 58014 **DATE:** 1/5/08
ADDRESS: 5510 BROADWAY
BRONX, NY 10463 **PBS #** 2-153532

TECH NAME & CERT #: Thomas Anderson EZY 3LP # 72-1691

TECH SIGNATURE



MAP IDENTIFICATION		SUB. MOTOR :	M	4" CAPPED RISER :	4"
WATER LOCATION:	X	VAPOR RECOVERY :	VR	FILL :	+
DISPENSER :	D	BALL FLOAT:	BF	OBS. MON. WELL:	△
MULTI. PROD. DISP.	MPD	INTERSTITIAL:	I		
SYPHONED LINE :	SL	TANK PROBE:	P	TANK :	⬭
TANK VENT :	V	STICK FILL :	SF		

Access Agreement

I, Eli M. Dweck, do hereby authorize the New York State Department of Environmental Conservation (NYSDEC), their contractor the Tyree Company (Tyree), and their subcontractors to enter the property located at **5530 Broadway – Bronx, New York** for the purpose of performing a sub surface investigation. I understand that Tyree is conducting the work for and under the direction of Mr. Rui June Fong of the NYSDEC Region 2 Office in Long Island City, New York. Work and activities associated with the investigation at this time are drilling of monitoring wells, sampling of the soil and groundwater from each boring location, and sampling of the groundwater during the future quarterly sampling events.

Tyree will repair any damage that may occur as a result of investigation activities by Tyree or it's subcontractors. The property owner and tenant will be notified in advance of any planned activities.

At any time the property owner and tenant may contact Tyree if there are any questions or concerns about work being performed on the property. A contact name and telephone number will be provided to the property owner.

Upon request the property owner will be provided copies of information and data collected from the property during this investigation.

NYSDEC Contractor Representative:

Scott Cunningham
Project Manager
The Tyree Company
1 Northway Lane
Latham, NY 12110

Date

Agreed and consented to:

Property Owner Signature

ELI M. DWECK

Printed Name of Property Owner

Member, Kim Berley 5530, LLC

11/9/05

Date of Authorization

Division of Spill Prevention, Response And Remediation
22[illegible]-34 [illegible]6th Avenue, Queens Village, New York 11429
Phone # 718-776-6080 Fax # 718-217-0247

Date: 04-22-94

Mr. Murray Dweck
Quick Quality Restaurants, Inc.
P.O. Box 3145
Edison NY 08818

Re: Getty Service Station 5510 Broadway Bronx NY
Spill# 93-11138

Dear Mr. Dweck:

NY State D.E.C. has reviewed the environmental reports from Giles Engineering Associates dated 06-25-93 and from Unico Environmental Inc. dated 12-15-93. We have noted that the southern portion of your property (adjacent to the existing Getty Service Station) has an area of hydrocarbon contamination. NY State D.E.C. feels that the Getty S/S is responsible for the contamination on your site. This service station has been ordered to an environmental evaluation as soon as possible. We feel that you are not responsible for this contamination.

If you are contemplating renovation of your property, this contamination should not pose a serious problem as any remediation work that will be necessary can be done from the adjacent (Getty Service Station) property.

If you have any questions please call me at (718) 776-6080.

Sincerely,

Eugene P. Sullivan
Environmental Engineer
NY State Department of
Environmental Conservation

cc: file

Cause: Unknown
Source: Commercial/Industrial
Resource Affected: Soil
Waterbody:

Record Close

Date Spill Closed: 09/22/2003

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Other Links of Interest

Information about the Spill Response and Remediation Program
Phone Numbers for Spill Response and Remediation

Cause: Tank Test Failure
Source: Gasoline Station
Resource Affected: Soil
Waterbody:
PBS #:
Tank #:
Tank Size: 0
Test Method: Unknown
Leak Rate: 0.00

Record Close

Date Spill Closed: Not closed

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Other Links of Interest

Information about the Spill Response and Remediation Program
Phone Numbers for Spill Response and Remediation

The Tyree Organization, Ltd.

Albany
1 Northway Lane, Latham, NY 12110 · Fax: 518-786-7351 · Phone: 518-786-3200

Mr. Eli Dweck,

Please review the directive from the NYSDEC to Getty Realty Corporation (Getty). The Tyree Company is a subcontractor for Getty and therefore need access to the property at 5530 Broadway, Bronx, N.Y. Please sign the Access Agreement provided and return it to The Tyree Company as soon as possible. As you can see on page 2, the NYSDEC require this to be completed and reported to the department by November 11th, 2005.

Thank you for your anticipated cooperation.

Scott Cunningham
Project Manager

Post-it® Fax Note 7671	Date 11/8/05	# of pages ▶ 8
To Ben Kajdie	From E. Dweck	
Co./Dept.	Co.	
Phone #	Phone #	
Fax # 212-504-6666	Fax #	

The Tyree Company
1 Northway Lane
Latham, N.Y. 12110
518-786-3200 (ext. 205)

The Tyree Organization

New York State Department of
Environmental Conservation

Spill Incidents Database Search

More information:

Environmental Remediation Databases
Glossary of Spills Database Terms

More searches:
New Spill Incidents Search

Other Links of Interest...

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 9311342

Spill Date/Time

Spill Date: 12/20/1993 **Spill Time:** 04:00 PM
Call Received Date: 12/20/1993 **Call Received Time:** 04:27 PM

Location

Spill Name: 5530 BROADWAY
Address: 5530 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled:
Gasoline

Amount Spilled:
0.0000 Gal.

New York State Department of
Environmental Conservation

Spill Incidents Database Search

More Information:

Environmental Remediation Databases
Glossary of Spills Database Terms

More searches:
New Spill Incidents Search

Other Links of Interest...

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 9311138

Spill Date/Time

Spill Date: 12/14/1993 **Spill Time:** 03:30 PM
Call Received Date: 12/14/1993 **Call Received Time:** 04:07 PM

Location

Spill Name: GETTY S/S #58014 - GETTY PROPERTIES
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled:
Gasoline

Amount Spilled:
-1.0000 lbs.

Gmail Calendar Documents Reader Web more ▾ kathleen.moler@gmail.com | Se

Search Mail Search the Web Show search options Create a filter

Compose Mail
Inbox (18)
Sent Mail
Drafts (34)
Trash
5510 Broadway
Family Tree
Personal Stuff (1)
15 more▾
Contacts
Tasks
Chat
Search, add, or invite
Kathleen Moler
Set status here
jenngress
Robert Moler
Kira Moler
lisa
Sean Moler
Options Add Contact
Invite a friend
Give Gmail to:
Send Invite 50 left
Preview Invite

Breitling Oil & Gas - www.breitlingoil.com - Oil & Gas Investments Direct Participation. Now Funding.

« Back to Inbox | Archive | Report spam | Delete | Move to | Labels | More actions

‹ New
New window
Print all
Expand all
Forward all

5510 Broadway, Bronx - January 18, 2010 - Please call me as soon as possible

Inbox x

Kathleen Moler Sue, Please call me as soon as possible as I am in contact with my lawyer and... Jan 18 (2 days ago)

Sue Regan to me, Dobson, M.J., Martin show details Jan 18 (1 day ago) Reply

Kathy -

It is my understanding that Getty Realty will be doing an environmental clean up at this location, not Getty Petroleum. Also, our engineers are going to be going back to the location to clean up the bays, etc. You can contact the territory rep Vlad Singer at 800-325-4388 x 301 to get more of an idea of what work is going to be done over there. I am not really involved with this, but have been forwarding your pictures and emails throughout the company so that the necessary people will be on board. I am waiting to get a copy of the insurance binder, and will forward to you once I receive it.

Sue Regan
Getty Petroleum Marketing Inc. a subsidiary of LUKOIL Oil Company
Real Estate Department
86 Doremus Avenue
Newark, NJ 07105
O: 973-679-2358
F: 973-344-8369
C: 973-879-2596

From: Kathleen Moler [mailto:kathleen.moler@gmail.com]
Sent: Mon 1/18/2010 10:11 AM
To: Sue Regan
Cc: Dobson, M.J.; Martin Shaw
Subject: 5510 Broadway, Bronx - January 18, 2010 - Please call me as soon as possible
- Show quoted text -

Reply Reply to all Forward

Martin Shaw Sue, In addition, please check on the status of Getty Realty's securing the p... Jan 18 (1 day ago)

Kathleen Moler to Sue, Dobson, M.J., Martin show details Jan 18 (1 day ago) Reply

Dear Sue,

Thank you for your response. I have directed my attorney to communicate with you in regard to securing the property which is extremely important for the moment. We have contacted Kingsbridge Fence Company and received their estimate in the amount of $4,900 and will forward that on to you.

Since we have had this missed communication, we would appreciate it if you could contact the property individuals within Getty and advise them that we expect remediation in the form of monthly rent until the site is clear of environmental issues and other Getty property.

Sincerely,
Kathy Moler
831-662-3236

On Mon, Jan 18, 2010 at 10:29 AM, Sue Regan <sregan@lukoilusa.com> wrote:
- Show quoted text -

Reply Reply to all Forward

Map this
86 Doremus A
Newark, NJ 0
350 Fifth Ave
New York, Ne

Sponsored L
Spill Kits & Oil
Lowest Prices in t
Huge Inventory &
www.321Galaxy.c
Millionaire REI
I'll Show You How
A Month; Free Ne
RealEstateRiches
Rubberizer® Sc
to rubber like solid
water, Booms, Pill
RUBBERIZER.CC
More about...
Marathon Oil Emp
Oil Tanker Termina
Peppermint Oil »
Oil Recycling Syst
About

« Back to Inbox | Archive | Report spam | Delete | Move to | Labels | More actions

‹ New

Add your Gmail inbox to the **Google homepage**.

You are currently using 425 MB (5%) of your 7414 MB.

Last account activity: 23 minutes ago at this IP (67.170.201.249). Details
Gmail view: standard | turn off chat | older version | basic HTML Learn more

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Getty Realty

GETTY REALTY CORP

KEVIN SHEA
Director of National
Real Estate Development

November 18, 1999

Sigmund S. Semon, Esq.
Semon & Mondshein
Counselors at Law
7600 Jericho Tpke
Woodbury, NY 11797

VIA FACSIMILE (516) 364-8518

Re: Our Property # 58014
5510 Broadway
Bronx, NY

Dear Mr. Semon,

Please find herewith a copy of the Petroleum Bulk Storage Registration Certificate issued by the New York Department of Environmental Conservation for the subject property which confirms that the petroleum storage tanks at this site are in full compliance with all applicable laws and regulations.

We look forward to having the new lease executed as soon as possible. Please contact me at your earliest convenience if additional information is desired.

Sincerely,

Kevin Shea

cc: C. Levy

P.O. BOX 176 • COLCHESTER, CT 06415-0176
TEL: 860.537.0366 • FAX: 860.537.0360

93-06-004 (12/94)—28c

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PETROLEUM BULK STORAGE REGISTRATION CERTIFICATE

NYS DEC - R2, PBS UNIT
HUNTERS POINT PLAZA
47-40 21st STREET
LONG ISLAND CITY, NY 11101
(718) 482-4933

TANK NUMBER	DATE INSTALLED	TANK TYPE	CAPACITY (GALLONS)	DATE LAST TESTED	TESTING DUE DATE
001	09/83	Steel/Carbon Steel	4,000	03/99	03/04
002	09/83	Steel/Carbon Steel	4,000	03/99	03/04
003	09/76	Steel/Carbon Steel	4,000	03/99	03/04
005	00/00	Steel/Carbon Steel	180		*
007	03/97	Steel/Carbon Steel	180		*

* Aboveground tanks require monthly visual inspections and may need documented internal inspections as described in 6NYCRR Pt. 613.

OWNER
GETTY PETROLEUM CORPORATION
125 JERICHO TURNPIKE
JERICHO, NY 11753

SITE
GETTY 58014
5510 BROADWAY
5510 BROADWAY
BRONX, NY 10400

OPERATOR (Name and Telephone Number)
ZAKI MASOUD
(718) 884-1019

EMERGENCY CONTACT (Name and Telephone Number)
SCOTT HANLEY
(718) 324-5110

As an authorized representative of the above named facility, I affirm under penalty of perjury that the information displayed on this form is correct to the best of my knowledge. Additionally, I recognize that I am responsible for assuring that this facility is in compliance with all sections of 6 NYCRR Parts 612, 613 and 614, and applicable sections of 6 NYCRR Subpart 360-14 (used oil tanks only), not just those cited below:

- The facility must be re-registered if there is a transfer of ownership.
- The Department must be notified within 30 days prior to adding, replacing, reconditioning, or permanently closing a stationary tank.
- The facility must be operated in accordance with the code for storing petroleum, 6 NYCRR Part 613.
- Any new facility or substantially modified facility must comply with 6 NYCRR Part 614.
- This certificate must be posted on the premises at all times. Posting must be at the tank, at the entrance of the facility, or the main office where the storage tanks are located.
- Any person with knowledge of a spill, leak or discharge must report the incident to DEC within two hours (1-800-457-7362).

Signature of Authorized Representative/Owner — Date

Name of Authorized Representative/Owner (Please Print)

Agent
Title

ISSUED BY:
Commissioner John P. Cahill

PETROLEUM BULK STORAGE ID NUMBER
2-153532

DATE ISSUED: 07/16/1997
EXPIRATION DATE: 06/05/2002

FEE PAID
$ 250

MAILING CORRESPONDENCE
SCOTT HANLEY
GETTY PETROLEUM CORPORATION
125 JERICHO TURNPIKE
JERICHO, NY 11753

Date Printed: 11/15/1999

THIS REGISTRATION CERTIFICATE IS NON-TRANSFERABLE

APPENDIX B

Health and Safety Plan

November 5, 2012

SITE SPECIFIC HEALTH AND SAFETY PLAN

5510 Broadway
Bronx, New York

Prepared for

EQUITY ONE (NORTHEAST PORTFOLIO) INC.
650 5th Avenue, 24th Floor
New York, New York 10019

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

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

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D. Health and Safety Briefing/Tailgate Meeting Form
E. Accident Report and Investigation Form
F. Acord Form
G. OSHA 300
H. Job Safety and Health Protection Poster

APPROVALS

By their signature, the undersigned certify that this Health and Safety Plan (HASP) is approved and will be utilized at the project site located at 900 Old Country Road, Garden City, New York.

Joseph Gentile Corporate Health and Safety Manager Roux Associates, Inc.	November 5, 2012 Date
Joseph Gavin Site Health and Safety Officer Roux Associates, Inc.	November 5, 2012 Date
Craig Werle Project Principal Roux Associates, Inc.	November 5, 2012 Date

1.0 INTRODUCTION

This Site-specific and Safety Plan (HASP) has been prepared in accordance with 29 CFR 1910.120 Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) and Roux Associates, Inc. (Roux Associates) Standard Operating Procedures (SOPs). It addresses all activities to be performed during the implementation of Remedial Investigation (RI) activities, and Remedial Actions (RA) at 5510 Broadway, Bronx, New York (Site) (Figure 1). The HASP will be implemented by the designated Site Health and Safety Officer (SSO) during work at the Site. The HASP attempts to identify all potential hazards at the Site; however, Site conditions are dynamic and new hazards may appear constantly. Personnel must remain alert to existing and potential hazards as Site conditions change and protect themselves accordingly.

Compliance with this HASP is required of all persons and subcontractors who perform fieldwork or enter the Site. The contents of this HASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the technical scope of work. Any changes proposed must be reviewed and approved by the Corporate Health and Safety Manager (CHSM), with the SSO implementing the changes to the HASP.

Upon entering the Site, all visitors are required to sign in. All visitors entering the Contamination Reduction Zone (CRZ) (defined in Section 8.1.2), the Contamination Reduction Corridor (CRC) (defined in Section 8.1.2), or the Exclusion Zone (EZ) (defined in Section 8.1.3) will be required to read and comply with the provisions of this HASP. Visitors will be required to comply with applicable OSHA requirements such as training, medical monitoring, and respiratory protection.

In the event that a visitor does not adhere to the provisions of this HASP, he or she will be required to leave the Site. Mobilization activities not requiring intrusive activities (e.g., survey, equipment staging, etc.) or exposure to potentially impacted areas may only be performed if supervised by a competent Roux Associates employee.

1.1 Scope of Work

The Scope of Work activities will include the implementation of RI activities.

The Scope of Work activities are as follows:

1. Obtain necessary permits and approvals.
2. Preparation and implementation of an approved Health and Safety Plan (HASP).
3. Implementation of RI activities, consisting of site inspection/reconnaissance, geophysical survey, drilling, soil boring and sampling, groundwater sampling, and soil vapor sampling.
4. Implementation of the Remedial Action Work Plan (RAWP), if necessary.
5. Mobilization and demobilization, if necessary.
6. Maintain good site housekeeping procedures at all times.
7. Identification, protection, and/or relocation of any utilities within the work area, if necessary.
8. Construct a decontamination pad with proper containment and collection system, if necessary.

1.2 Emergency Numbers

1.2.1 Emergency Phone Numbers

Emergency Medical Service 911

Police: New York Police Department (NYPD).....911

Fire: Fire Department of New York (FDNY) 911

Hospital: New York Presbyterian Hospital 212-932-4461

National Response Center.....800-424-8802

Poison Control Center.....800-222-1222

Chemtrec 800-262-8200

Center for Disease Control.....800-311-3435

USEPA (Region II).....212-637-5000

NYSDEC Emergency Spill Response 800-457-7362

1.2.2 Project Management/Health and Safety Personnel

Title	Contact	Telephone/Cell
Roux Associates		
Project Director	Craig Werle	631-232-2600 Cell – 631-793-1535
Site Health and Safety Officer	Joseph Gavin	631-232-2600 Cell – 631-245-5887
Corporate Health and Safety Manager	Joseph Gentile	856-423-8800 Cell – 610-844-6911

1.2.3 Other Important Phone Numbers

No additional numbers

1.2.4 Directions to New York Presbyterian Hospital

See Figure 2 for street map.

- Start at 5510 Broadway, Bronx, New York
- Head northwest on West 230th Street
- Turn Left on Broadway
- Arrive at 5141 Broadway, New York Presbyterian Hospital on your right

2.0 HEALTH AND SAFETY STAFF

This section briefly describes all site personnel and their health and safety responsibilities for the RI work to be implemented at the Site. All personnel are responsible for ensuring compliance with the HASP.

2.1 Project Principal (PP) – Craig Werle – Roux Associates

- Has the overall responsibility for the health and safety of Site personnel.
- Ensures that adequate resources are provided to the field health and safety staff to carry out their responsibilities as outlined below.

2.2 Corporate Health and Safety Manager (CHSM) – Joe Gentile – Roux Associates

- Implements the HASP.
- Performs or oversees site-specific training and approves revised or new safety protocols or field operations.
- Coordinates revisions of this HASP with Project Principal.
- Responsible for the development of new task safety protocols and procedures and resolution of any outstanding safety issues which may arise during the conduction of site work.
- Review and approve all health and safety training and medical surveillance records for personnel and subcontractors.

2.3 Site Safety and Health Officer (SSO) – Joseph Gavin – Roux Associates

- Directs and coordinates health and safety monitoring activities.
- Ensures that field teams utilize proper personal protective equipment.
- Conducts initial onsite specific training prior to personnel and/or subcontractors commencing work.
- Conducts and documents periodic safety briefings.
- Ensures that field team members comply with this HASP.
- Completes and maintains Accident Report and Investigation Forms.
- Notifies PP and CHSM of all accident/incidents.

- Notifies PP of daily field operations and work progress, who will then communicate at the end of the day to the designated representative the following:
    1. End of day tasks completed
    2. Next day's planned activities
    3. Third party issues
    4. Change of Plans – approvals
- Change in level of personal protective equipment (PPE).
- Maintains contact with Contractors.
- Determines upgrade or downgrade of PPE based on Site conditions and/or real time monitoring results.
- Ensures that monitoring instruments are calibrated daily or as manufacturers suggested instructions determine.
- Submits and maintains health and safety field log books, daily safety logs, training logs, air monitoring result reports, weekly safety report.

2.4 Field Personnel and Subcontractors

- Report any unsafe or potentially hazardous conditions to the SSO.
- Maintain knowledge of the information, instructions, and emergency response actions contained in the HASP.
- Comply with rules, regulations, and procedures as set forth in this HASP and any revisions, which are instituted.
- Prevent admittance to work Site by unauthorized personnel.

3.0 SITE LOCATION, DESCRIPTION, AND HISTORY

Descriptions of the Site and surrounding property usage are included in the following sections. The location of the Site is presented in Figure 1.

3.1 Property Location and Description

The Site is located at 5510 Broadway, Bronx, New York. According to the information provided by Equity One (Northeast Portfolio) Inc., the Site is comprised of a 0.17-acre (or approximately 7,500 square foot) parcel located on the north side of West 230th Street at the intersection of Broadway. The Site is bordered by an empty lot (former contractor's yard) to the north; West 230th Street to the south; a parking lot to the east; and Broadway to the west. The Site is a former gasoline service station, with USTs, and dispensers removed. There is one building which housed the former service station office and a repair shop. Minimal slightly overgrown vegetation is present on the northwest corner of the site along the fenceline. There is no electricity, heat or water provided to the Site.

According to previous reports, the Site was utilized as a gasoline service station and repair shop since parking since as far back as 1950. Sanborn fire insurance maps from prior this show the Site to be vacant. No additional information regarding the historical uses of the property is known.

4.0 WASTE DESCRIPTION/CHARACTERIZATION

4.1 General

The following information is presented in order to identify the types of materials that may be encountered at the Site. The detailed information on these materials was obtained from:

- SAX's Dangerous Properties of Industrial Materials – Lewis Eight Edition
- Chemical Hazards of the Workplace – Proctor/Hughes
- Condensed Chemical Dictionary – Hawley
- Rapid Guide to Hazardous Chemical in the Workplace – Lewis 1990
- NIOSH Pocket Guide to Chemical Hazards – 2005
- ACGIH TLV Values and Biological Exposure Indices
- OSHA 29 CFR 1910.1000

4.2 Chemical Data Sheets

Several chemicals that may potentially be present in soils and groundwater at the Site, based on previous soil, soil vapor and groundwater sampling results and historic operations conducted at the Site that have been identified. The Summary of Toxicological Data is found in Table 1 and is provided for review of chemicals that may be encountered. The Summary of Toxicological Data Sheets provides information such as the chemicals characteristics, health hazards, protection, and exposure limits.

4.2.1 Contaminants of Concern

Soil and groundwater contaminants that may be encountered during drilling and sampling activities include both organic and inorganic compounds.

According to previous investigation reports, semi-volatile organic compounds (SVOCs) were detected above guidance values in soil and groundwater. The four storm water drains were accessed and laboratory analysis found that volatile organic compounds (VOCs), SVOCs and metals were found above guidance values.

According to Roux investigations at the Site, VOCs, SVOCs, metals and pesticides were detected in soil and groundwater at the Site. No detections of polychlorinated biphenyls (PCBs) and

herbicides were noted in soil and groundwater analytical data. Exceedances of NYSDEC Part 375 Unrestricted Use Criteria in soil analytical results were noted in several SVOCs, metals, pesticides and VOCs (Acetone only). Several metals and benzo[a]pyrene exceeded the NYSDEC Part 375 Commercial Criteria. VOCs and metals were detected in groundwater analytical results; no detections of SVOCs, PCBs and Pesticides were noted. The only groundwater exceedances were benzene and manganese. In addition, several VOCs were detected in soil vapor samples.

The toxicological, physical, and chemical properties of potential contaminants are presented in Table 1.

5.0 HAZARD ASSESSMENT

The potential to encounter chemical hazards is dependent upon the work activity performed (intrusive versus non-intrusive), and the duration and location of the work activity. Such hazards could include inhalation and/or skin contact with chemicals/gases that could cause: dermatitis, skin burns, being overcome by vapors or asphyxiation.

Physical hazards that may be encountered during Site work include; heat and cold stress, exposure to excessive noise, loss of limbs, being crushed, head injuries, punctures, cuts, falls, electrocution, and bruises, structural integrity of buildings, asbestos and lead paint exposure, and other physical hazards due to motor vehicle operation, heavy equipment and power tools.

Biological hazards may exist during Site activities. These hazards include exposure to insect bites/stings, animals and animal wastes, mold and bloodborne pathogens.

Prior to the beginning of each new phase of work, an activity hazard analysis will be prepared by the SSO with assistance from the CHSM. The analysis will address the hazards for each activity performed in the phase and will present the procedures and safeguards necessary to eliminate the hazards or reduce the risk. The Activity Hazard Analysis Sheets are located in Appendix A.

5.1 Chemical Hazards

The potential for personnel and subcontractors to come in contact with chemical hazards may occur during the following tasks:

- Drilling Activities
- Decontamination Activities

For chronic and acute toxicity data, refer to Summary of Toxicological Data Sheets in Table 1 for further details on compound characteristics.

5.1.1 Exposure Pathways

Exposure to these compounds during ongoing activities may occur through inhalation of contaminated dust particles, inhalation of VOCs, SVOCs or inorganics, dermal absorption, and accidental ingestion of the contaminant by either direct or indirect cross-contamination activities.

Inhalation of contaminated dust particles (VOCs, SVOCs, and inorganics) can occur during adverse weather conditions (high or changing wind directions) or during operations that may generate airborne dust such as excavation and loading of contaminated soils. Dust control measures such as applying water to roadways and excavations will be implemented where visible dust is generated. Where dust control measures are not feasible or effective, respiratory protection will be used when necessary (see Section 9.2.2 for monitoring procedures and action levels).

5.1.2 Operational Action Levels

A decision-making protocol for an upgrade in levels of protection and/or withdrawal of personnel from an area based on atmospheric hazards is outlined in Table 2.

5.1.3 Additional Precautions

Dermal absorption or skin contact with chemical compounds is possible during intrusive activities or *in situ* chemical injections at the Site. The use of PPE in accordance with Section 8.2 and strict adherence to proper decontamination procedures should significantly reduce the risk of skin contact.

The potential for accidental ingestion of potentially hazardous chemicals is expected to be remote, when good hygiene practices are used.

5.2 Physical Hazards

A variety of physical hazards may be present during Site activities. These hazards include typical construction activities: operation of motor vehicles and heavy equipment operation, the use of power and hand tools, the use of pressurized pumps for *in situ* injections, roping and rigging of steel sheeting, walking on objects, tripping over objects, working on surfaces which have the potential to promote falling, skin burns, crushing of fingers, toes, limbs, head injuries caused by falling objects, temporary loss of one's hearing and/or eyesight. The referenced hazards are not unique and are generally familiar to most hazardous waste site workers at construction sites. Task specific safety requirements for each phase will be covered during safety briefings. Activity Hazard Analysis summaries are contained in Appendix A.

5.2.1 Noise

Noise is a potential hazard associated with operation of heavy equipment, power tools, pumps, and generators. High noise equipment operators will be evaluated at the discretion of the SSO. Employees with an 8-hour time weighted average exposure exceeding 85 dBA will be included in the hearing conservation program in accordance with 29 CFR 1910.95 and 1926.52.

It is mandated that employees working around heavy equipment or using power tools that produce noise levels exceeding 90 dBA are to wear hearing protection that shall consist of earplugs or protective earmuffs.

5.2.2 Heat Stress

Heat stress is a significant potential hazard, associated with the use of protective equipment in a hot weather environment. The human body is designed to function at a certain internal temperature. When metabolism or external sources (fire or hot summer day) cause the body temperature to rise, the body seeks to protect itself by triggering cooling mechanisms. The SSO will monitor the air temperature (as described later in this section) to determine potential adverse affects the weather can cause onsite personnel. Excess heat is dissipated by two means:

- Changes in blood flow to dissipate heat by convection, which can be seen as "flushing" or reddening of the skin in extreme cases.
- Perspiration is the release of water through skin and sweat glands. While working in hot environments, evaporation of perspiration is the primary cooling mechanism.

Protective clothing worn to guard against chemical contact effectively stops the evaporation of perspiration. Thus the use of protective clothing increases heat stress problems.

The major disorders due to heat stress are heat cramps, heat exhaustion, and heat stroke. Heat cramps are painful spasms, which occur in the skeletal muscles of workers who sweat profusely in the heat and drink large quantities of water, but fail to replace the bodies lost salts or electrolytes. Drinking water while continuing to lose salt tends to dilute the body's extracellular fluids. Soon water seeps by osmosis into active muscles and causes pain. Muscles fatigued from work are usually most susceptible to cramps.

Extreme weakness or fatigue, dizziness, nausea, and headache characterize heat exhaustion. In serious cases, a person may vomit or lose consciousness. The skin is clammy and moist, complexion pale or flushed, and body temperature normal or slightly higher than normal. Treatment is rest in a cool place and replacement of body water lost by perspiration. Mild cases may recover spontaneously with this treatment; severe cases may require care for several days. There are no permanent effects.

Heat stroke is a very serious condition caused by the breakdown of the body's regulating mechanisms. The skin is very dry and hot with red mottled or bluish appearance. Unconsciousness, mental confusion, or convulsions may occur. Without quick and adequate treatment, the result can be death or permanent brain damage. As first aid treatment, the person should be moved to a cool place. Body heat should be reduced artificially, but not too rapidly, by soaking the person's clothes in water and fanning them.

Steps that can be taken to reduce heat stress are:

- Acclimate the body. Allow a period of adjustment to make further heat exposure endurable.
- Drink more liquids to replace the body water lost during sweating.
- Rest is necessary and should be conducted under the direction of the SSO.
- Wear personal cooling devices. These are two basic designs; units with pockets for holding frozen packets and units that circulate fluid from a reservoir through tubes to different parts of the body. Both designs can be in the form of a vest, jacket, or coverall. Some circulating units also have a cap for cooling the head.
- Wear long cotton underwear under chemical protective clothing. The cotton will absorb perspiration and will hold it close to the skin. This will provide the body with the maximum cooling available from the limited evaporation that takes place beneath chemical resistant clothing. It also allows for rapid cooling of the body when the protective clothing is removed.

Heat stress is a significant hazard associated with using protective equipment in hot weather environments. Local weather conditions may produce conditions, which will require restricted work schedules in order to protect employees.

Appendix B contains procedures for heat stress; these will be used as a guideline and to provide additional information.

5.2.3 Cold Stress

Cold temperatures are a significant potential hazard. Examples of cold temperature hazards are frostbite and hypothermia.

Frostbite is the most common injury resulting from exposure to cold. The extremities of the body are most often affected. The signs of frostbite are:

- The skin turns white or grayish-yellow.
- Pain is sometimes felt early but subsides later. Often there is no pain.
- The affected parts feel intensely cold and numb.

Hypothermia is characterized by shivering, numbness, drowsiness, muscular weakness, and a low internal body temperature when the body feels extremely warm. This can lead to unconsciousness and death. With both frostbite and hypothermia, the affected areas need to be warmed quickly. Immersion in warm water is an effective means of warming the affected areas quickly. In such cases, medical assistance will be sought.

To prevent these effects from occurring, persons working in the cold should wear adequate clothing and reduce the time spent in the cold area. The field SSO is responsible for determining appropriate time personnel should spend in adverse weather conditions and will monitor this.

Appendix B, which contains the Heat and Cold Stress Guidelines, provides additional information.

5.2.4 Asbestos

Asbestos is a widely used, mineral-based material that is resistant to heat and corrosive chemicals. Depending on the chemical composition, fibers may range from course to silky. The properties that make asbestos fibers to valuable to industry are its high-tensile strength, flexibility, heat and chemical resistance, and good frictional properties. Asbestos is a common naturally occurring group of fibrous minerals. Asbestos fibers have been used in a variety of building materials; generally, most asbestos is found in pipe insulation, doors, textures paints and plasters, structural

fireproofing, and floor tiles. Friable asbestos (that is, material that contains more than 0.1% asbestos by weight and can be crumbled by hand) is a potential hazard because it can release fibers into the air if damaged. Roux Associates' personnel will not disturb any suspected asbestos material.

5.2.5 Structural Integrity

The structural integrity of a building and the safety of the individuals inside depend on meeting and maintaining national and local building codes. Structural integrity can range from minor defects such as loose floorboards and roof leaks to major defects such as floors and walls sagging and collapsed roofs. Numerous other structural defects can exist with or without consequence to the occupants. If Roux Associates personnel detect a problem, they should notify their supervisor, who in turn, should seek the opinion of a qualified structural engineer to offer and opinion regarding the integrity of the building. If in the opinion of the qualified engineer it is unsafe, no work can proceed until a solution to rectify the situation has been performed.

The only structures present at the site are a small attendant booth, two portable sheds and a portable restroom. All of these structures appear to be structurally sound at present and are scheduled for demolition during the course of the redevelopment at the Site.

5.2.6 Lockout/Tagout

Roux Associates and all Site contractors will develop a lockout/tagout plan in the event of the repair of electrical, pneumatic, hydraulic, mechanical systems, per OSHA requirements under 29 CFR 1910.147.

5.3 Biological Hazards

The biological hazards, which have the potential to cause adverse health effects, are from exposure to domestic flies, mosquitoes, insects, animals and animal wastes, mold and bloodborne pathogens. The Activity Hazard Analysis (Appendix A) suggests controls for various hazards to be potentially encountered onsite.

5.3.1 Insect Stings

Stings from insects are often painful, cause swelling and can be fatal if a severe allergic reaction such as anaphylactic shock occurs. If a sting occurs, the stinger should be scraped out of the skin, opposite of the sting direction. The area should be washed with soap and water followed by application of an ice pack.

If the victim has a history of allergic reaction, he should be taken to the nearest medical facility. If the victim has medication to reverse the effects of the sting, it should be taken immediately.

If the victim experiences a severe reaction, a constricting band should be placed between the sting and the heart. The bitten area should be kept below the heart if possible. A physician should be contacted immediately for further instructions.

5.3.2 Animals and Animal Wastes

Due to most of the onsite structures being abandoned for several years, there lies the potential for various wildlife to reside within the structures, including, but not limited to, pigeons, bats, mice, rats, squirrels, raccoons, and feral cats. Certain animals can represent significant sources (vectors) of disease transmission. Precautions to avoid or minimize potential contact with (biting) animals (such as some of the above listed) or animal waste and/or deceased animals should be considered prior to all field activities. Rats, squirrels, raccoons, feral cats, and other wild animals can inflict painful bites which can also cause disease (as in the case of rabid animals). Site personnel should avoid contact with any of the above.

If contact occurs, be sure to clean the area thoroughly with soap and water as soon as possible. If a bite occurs, the area should be cleaned thoroughly immediately with soap and water and medical attention should be sought.

5.3.3 Mold

Although mold affects individuals differently and to different degrees, the following are some of the most common adverse health effects:

- Respiratory problems – wheezing, difficulty breathing;
- Nasal and sinus congestion;

- Eyes – burning, watery, reddened, blurry vision, light sensitivity;
- Dry, hacking cough;
- Sore throat;
- Nose and throat irritation;
- Shortness of breath and lung disease;
- Chronic fatigue;
- Skin irritation;
- Central nervous system (headaches, loss of memory, and mood changes);
- Aches and pains;
- Fever;
- Headaches;
- Diarrhea; and
- Immune suppression.

Decisions about removing individuals from an affected area must be based on the results of a medical evaluation, and be made on a case-by-case basis.

Workers that discover the visible presence of mold in excess of 10 sq. feet need to notify the SSO for consultation. If a worker smells mold and feels that he/she is experiencing symptoms of exposure, he/she should retreat and report the symptoms to the SSO.

5.3.4 Bloodborne Pathogens

The majority of the occupational tasks onsite will not involve a significant risk of exposure to blood, blood components, or body fluids. The highest risk of acquiring any bloodborne pathogen for employees onsite will be following an injury. When administering first aid care, there are potential hazards associated with bloodborne pathogens that cause diseases such as Human Immunodeficiency Virus (HIV), Hepatitis B (HBV), Hepatitis A (HAV), Hepatitis C (HCV), or the Herpes Simplex Virus (HSV). An employee who has not received the appropriate certification should never execute first aid and/or CPR.

In order to minimize any potential pathogen exposure, all employees should use the hand washing facilities on a regular basis. Additionally, the following universal precautions should be followed to prevent further potential risk:

- Direct skin or mucous membrane contact with blood should be avoided.
- Open skin cuts or sores should be covered to prevent contamination from infectious agents.
- Body parts should be washed immediately after contact with blood or body fluids that might contain blood, even when gloves or other barriers have been used.
- Gloves and disposable materials used to clean spilled blood shall be properly disposed of in an approved hazardous waste container.
- First aid responders shall wear latex or thin mil nitrile gloves when performing any procedure risking contact with blood or body substances.
- Safety glasses will be worn to protect the eyes from splashing or aerosolization of body fluids.
- A CPR mask will be worn when performing CPR to avoid mouth-to-mouth contact.
- Work gloves will be worn to minimize the risk of injury to the hands and fingers when working on all equipment with sharp or rough edges.
- Never pick up broken glass or possible contaminated material with your unprotected hands.
- Never handle wildlife (living or deceased) encountered onsite.

5.4 Hazard Assessment

Task	Hazards	Risk of Exposure
Decontamination	Inhalation/Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Physical Injury	Moderate
	Noise	Low
In situ Injections	Inhalation/ Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Physical Injury	Moderate
	Noise	Low/Moderate
Drilling/Sampling	Inhalation/ Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate

Task	Hazards	Risk of Exposure
	Noise	Moderate/High
	Physical Injury	Moderate

6.0 TRAINING

6.1 General Health and Safety Training

In accordance with Roux Associates' corporate policies, and pursuant to 29 CFR 1910.120, hazardous waste site workers shall, at the time of the job assignment, have received a minimum of 40 hours of initial health and safety training for hazardous waste site operations. As a minimum, the training shall have consisted of instruction in the topics outlined in the above reference. Personnel who have not met the requirements for initial training will not be allowed to work in any Site activities in which they may be exposed to hazards (chemical or physical).

Completion of a 40-hour Health and Safety Training Course for Hazardous Waste Operations or an approved equivalent will fulfill the requirements of this section.

In addition to the required initial training, each employee shall have received 3 days of directly supervised on-the-job training. This training will address the duties the employees are expected to perform.

Roux Associates' SSO has the responsibility of ensuring that personnel assigned to this project comply with these requirements.

6.2 Annual Eight-Hour Refresher Training

Annual 8-hour refresher training will be required of all hazardous waste site field personnel in order to maintain their qualifications for fieldwork. The following topics will be reviewed; toxicology, respiratory protection, including air purifying devices and self-contained breathing apparatus (SCBA), medical surveillance, decontamination procedures, and personal protective clothing. In addition, topics deemed necessary by Roux Associates' Health and Safety Director may be added to the above list.

6.3 Site-Specific Training

Site personnel will receive training that will specifically address the activities, procedures, monitoring, and equipment for Site operations. It will include Site and facility layout, hazards, first aid equipment locations and emergency services at the Site, and will highlight all provisions contained within this HASP. This training will also allow field workers to clarify anything they do

not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

6.4 Onsite Safety Meetings

Daily safety meetings will be presented each morning to discuss potential safety concerns for the upcoming activities.

The briefings will also provide a forum to facilitate conformance with safety requirements and to identify performance deficiencies related to safety during daily activities or as a result of safety audits by Roux Associates or other involved parties.

6.5 First Aid and CPR

The SSO will identify those individuals having first aid and CPR training in order to ensure that emergency medical treatment is available during field activities. The training will be consistent with the requirements of the American Red Cross Association. Certification and appropriate training documentation will be kept with the Site personnel records.

6.6 Additional Training

The CHSM may require additional or specialized training throughout the project. Such training shall be in the safe operation of heavy or power tool equipment or hazard communication training or other topic deemed Site appropriate.

6.7 Subcontractor Training

All subcontractor personnel working on the Site shall have completed the 40-hour training requirement and meet the medical surveillance requirements found in Section 7.1. Subcontractor training shall be performed in accordance with 29 CFR 1910.120 and HASP specifications. In certain unique situations (e.g., mechanical failure of equipment), the non-trained individual performing emergency repairs may be allowed, at the discretion of the SSO, to perform repairs when no intrusive activities are being performed, and provisions have been made to mitigate potential exposure.

7.0 MEDICAL SURVEILLANCE PROCEDURES

7.1 General

A Medical Surveillance Program has been established as part of this plan and is included in Appendix C. Roux Associates and subcontractor personnel performing field work at the Site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120(f). A physician's medical release for work will be confirmed by the SSO before an employee can begin Site activities. Such examinations shall include a statement as to the worker's present health status, the ability to work in a hazardous environment (including any required PPE, which may be used during temperature extremes), and the worker's ability to wear respiratory protection.

Appendix C, "Medical Data Sheet," will be completed by all permanent, onsite personnel and will be kept in Roux Associates offices during the conduct of Site operations. Completion is required in addition to compliance with Roux Associates' Health and Safety Program. This data sheet will be available through the Roux Associates Human Resources Department if medical assistance is needed or if transport to hospital facilities is required.

8.0 SITE CONTROL, PERSONAL PROTECTIVE EQUIPMENT, AND COMMUNICATIONS

A modified Site control approach may be utilized since activities will be limited to site inspection/geophysical survey, drilling and sampling only during this phase of work. If remedial work is necessary, the following four-zone approach will be used.

8.1 Site Control

Based on the Site history and operations, a potential for the presence of hazardous material does exist. During drilling and sampling, work areas will be delineated with high visibility cones and/or caution tape. A dedicated decontamination area will be established to decontaminate all equipment used for sampling.

If remedial activities are necessary, a four-zone approach will be employed in order to prevent the spread of contamination from the disturbed areas onsite. The four zones include: the Exclusion Zone (EZ), the Contamination Reduction Zone (CRZ), Contamination Reduction Corridor (CRC) and the Support Zone (SZ). A stepped remedial approach will be managed, and the zones modified as the work progresses. Each of the areas will be defined through the use of control barricades and/or construction/hazard fencing. A clearly marked delineation between the SZ and the remaining three zones, the CRZ and CRC and the EZ will be maintained. The preferred method will utilize high visibility orange fencing and hand driven metal posts, or orange cones. Signage will be posted to further identify and delineate these areas.

8.1.1 Support Zone

The Support Zone (SZ) is an uncontaminated area that will be the field support area for the Site operations. The SZ will contain the temporary project trailers and provides for field team communications and staging for emergency response. Appropriate sanitary facilities and safety equipment will be located in this zone. Potentially contaminated personnel or materials are not allowed in this zone. The only exception will be appropriately packaged/decontaminated and labeled samples. Meteorological conditions will be observed and noted from this zone, as well as those factors pertinent to heat and cold stress.

8.1.2 Contamination Reduction Zone

A Contamination Reduction Zone (CRZ) is established between the exclusion zone and the support zone. The CRZ contains the Contamination Reduction Corridor (CRC) and provides an area for decontamination of personnel and equipment. The CRZ will be used for general Site entry and egress in addition to access for heavy equipment and emergency support services. Personnel are not allowed in the CRZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- A need to be in the zone.

8.1.3 Exclusion Zone

The area where contamination exists is considered to be the Exclusion Zone (EZ). All areas where excavation and handling of contaminated materials take place are considered the EZ. This zone will be clearly delineated by orange high visibility fencing. Safety tape may be used as a secondary delineation within the EZ. The zone delineation markings may be opened in areas for varying lengths of time to accommodate equipment operation or specific construction activities. The SSO may establish more than one EZ where different levels of protection may be employed or where different hazards exist. Personnel are not allowed in the EZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- A need to be in the zone.

8.2 Personal Protective Equipment

8.2.1 General

The level of protection worn by field personnel will be enforced by the SSO. Levels of protection for general operations are provided below and are defined in this section. Levels of protection

may be upgraded at the discretion of the SSO. All decisions on the level of protection will be based upon a conservative interpretation by the SSO of the information provided by air monitoring results, environmental results and other appropriate information. Any changes in the level of protection shall be recorded in the health and safety field logbook.

8.2.2 Personal Protective Equipment Specifications

The initial level of personal protective equipment is Level D. It is not anticipated that either Level B or Level C protection will be necessary.

Although not anticipated, any tasks requiring Level B personal protective equipment (PPE) will utilize the following equipment:

- Positive pressure, full facepiece, self-contained breathing apparatus (SCBA) or positive pressure, supplied air respirator with escape SCBA (NIOSH approved)
- Disposable coveralls (Tyvek, Poly-coated Tyvek, or Saranex)
- Gloves, inner: latex or nitrile
- Gloves, outer: nitrile or neoprene
- Chemical resistant boots over the work boots
- Steel toe work boots
- Hard hat
- Hearing protection (as needed)
- Boot cover (as needed)

For tasks requiring Level C PPE, the following equipment may be used in any combination:

- Full-face, air purifying, canister-equipped respirators (NIOSH approved) utilizing Organic Vapor/Acid Gas and P-100 filters (half-face if approved by SSO)
- Disposable coveralls (Tyvek, Poly-coated Tyvek, or Saranex) as required
- Gloves, inner: latex or nitrile as required
- Gloves, outer: nitrile or neoprene as required
- Chemical resistant boots over the work boots as required

- Steel toe work boots
- Hard hat
- Hearing protection (as needed)
- Safety glasses (if half-mask is utilized)
- Boot covers (as needed)

The Minimum level of PPE for entry onto the Site is Level D PPE. The following equipment shall be used:

- Work uniform (long pants, sleeved shirt)
- Hard hat
- Steel toe work boots
- Safety glasses
- Boot covers (as needed)
- Hearing protection (as needed)
- Reflective safety vest

Modified Level D PPE consists of the following:

- Regular Tyvek coveralls (Poly-coated Tyvek as required)
- Outer gloves: leather, cotton, neoprene or nitrile (as required)
- Inner gloves: latex or nitrile (doubled) as required
- Chemical resistant boots over work boots (as required)
- Steel toe work boots
- Hard hat
- Safety glasses
- Hearing protection as needed
- Reflective safety vest

8.2.3 Initial Levels of Protection

Levels of protection for the proposed scope of work may be upgraded or downgraded depending on direct-reading instruments or personnel monitoring. The following are the initial levels of protection that shall be used for each planned field activity:

Activity	Initial level of PPE
Mobilization/Demobilization	D
Site Inspection/Geophysical Survey	D
Decontamination	D
Drilling	D
In situ Chemical Injections	D
Groundwater Sampling	D

8.3 Communications

If working in level C/B respiratory protection is required, personnel may find that communication becomes a more difficult task and process to accomplish. Distance and space further complicate this. In order to address this problem, electronic instruments, mechanical devices, or hand signals will be used as follows:

Telephones – Mobile telephones will be carried by designated personnel for communication with emergency support services/facilities.

Radios – Two-way radios will be utilized onsite for communications between field personnel in areas where visual contact cannot be maintained and where hand signals cannot be employed.

Air Horn – Available as posted in the Site trailer or support zone to alert field personnel to an emergency situation. The emergency signal will be the sharp blasts of the air horn.

Hand Signals – This communication method will be employed by members of the field team along with use of the buddy system. Signals become especially important when in the vicinity of heavy moving equipment and when using Level B respiratory equipment. The signals shall become familiar to the entire field team before Site operations commence, and will be reinforced and reviewed during site-specific training.

Signal	Meaning
Hand gripping throat	Out of air; can't breathe
Grip partner's wrist	Leave area immediately; no debate
Hands on top of head	Need assistance
Thumbs up	OK; I'm all right; I understand
Thumbs down	No; Unable to understand you, I'm not all right

9.0 MONITORING PROCEDURES

9.1 General

Monitoring will be performed to verify the adequacy of respiratory protection, to aid in Site layout, and to document worker exposure. If air monitoring in these areas indicates the presence of potentially hazardous materials, control measures will be implemented. All monitoring instruments shall be operated by qualified personnel only and will be calibrated daily prior to use or, more often, as necessary. General monitoring during intrusive site activities will be performed as described below.

9.2 Exclusion Zone Monitoring

9.2.1 Instrumentation

The following monitoring instruments will be available for use during field operations as necessary. There will be a minimum of one of each piece of equipment on the Site at all times:

- Photoionization Detector (PID) with 10.6 EV probe or Flame Ionization Detector (FID) or equivalent.
- Dust/Particulate Monitor (DM), MIE Miniram, or equivalent.

A PID will be used to monitor VOCs in active work areas, during intrusive activities. VOCs shall also be measured upwind of the work areas to determine background concentrations.

A particulate monitor shall be used to measure concentrations of dust and particulate matter.

When deemed necessary, a CGI/O_2 meter shall be used to monitor for combustible gases and oxygen content during confined space entry or when the HSO deems necessary.

Calibration records shall be documented and recorded daily and included in the daily air monitoring report. This report will be specific to work area monitoring. All instruments shall be calibrated before and after each daily use in accordance with manufacturer's procedures (Appendix D).

9.2.2 Action Levels

Action levels for the upgrading of PPE requirements in the HASP will apply to all Site work during investigation and remediation activities at the Site. Action levels are for known contaminants using direct reading instruments in the Breathing Zone (BZ) for VOCs and particulates, and at the source for combustible gases. The BZ will be determined by the SSO, but is typically 4 to 5 feet above the work area surface or elevation. The action levels to be utilized for the Site are found in Table 2.

9.2.3 Monitoring During Field Activities

Intrusive Operations – Continuous Personnel Breathing Zone Air Monitoring will be performed by the SSO during drilling activities. Real-time monitoring for all onsite activities will be accomplished as follows:

- Monitoring of VOCs in and around the work zones.
- Monitoring for particulates in and around the work zones, when necessary.

The frequency of monitoring may be modified by the SSO, after consultation with the Project Manager. The rationale for any modification must be documented in the HASP.

10.0 SAFETY CONSIDERATIONS

10.1 General

In addition to the specific requirements of this HASP, common sense should be used at all times.

The following general safety rules and practices will be in effect at the site.

- All open holes, trenches, and obstacles will be properly barricaded in accordance with local Site needs and requirements. Proximity to traffic ways, both pedestrian and vehicular, and location of the open hole, trench, or obstacle will determine these needs.

- All excavation and other Site work will be planned and performed with consideration for underground lines.

- Smoking and ignition sources in the vicinity of potentially flammable or contaminated material are strictly prohibited.

- Drilling, boring, and use of cranes and drilling rigs, erection of towers, movement of vehicles and equipment, and other activities will be planned and performed with consideration for the location, height, and relative position of aboveground utilities and fixtures, including signs; lights; canopies; buildings and other structures and construction; and natural features such as trees, boulders, bodies of water, and terrain.

- When working in areas where flammable vapors may be present, particular care shall be exercised with tools and equipment that may be sources of ignition. All tools and equipment provided must be properly bonded and/or grounded.

- Approved and appropriate safety equipment (as specified in this HASP), such as eye protection, hard hats, hand protection (nitrile, leather and/or cut resistant gloves as necessary), foot protection, and respirators, must be worn in areas where required. In addition, eye protection must be worn when sampling soil or water that may be contaminated.

- All site personnel may be called upon to use respirator protection in some situations. Fit testing will be necessary for all persons using respirators. The criteria for facial hair will be determined by the SSO. In general, the guideline is that facial hair cannot impede the fit of the respirator.

- No smoking, eating, chewing tobacco, gum chewing or drinking will be allowed outside the SZ.

- Contaminated tools and hands must be kept away from the face.

- Personnel must use personal hygiene safe guards (washing up) at the end of the shift.

- Each sample must be treated and handled as though it were contaminated.

- Persons with long hair and/or loose-fitting clothing that could become entangled in power equipment must take adequate precautions.

- Horseplay is prohibited in the work area.
- Work while under the influence of intoxicants, narcotics, or controlled substances is strictly prohibited.

10.2 Traffic Control

Traffic control methods and barricades will be used as needed when working in areas of vehicular traffic. Since the site is fenced off and the areas of investigation are not in current use, outside vehicular and pedestrian traffic is not considered to be an issue.

10.3 Sample Handling

Personnel responsible for handling of samples will wear the prescribed level of protection. Samples are to be identified as to their hazard and packaged as to prevent spillage or breakage. Any unusual sample conditions shall be noted. Laboratory personnel and all field personnel shall be advised of sample hazard levels and the potential contaminants present. This can be accomplished by a phone call to the lab coordinator and/or including a written statement with the samples reviewing lab safety procedures in handling in order to assure that the practices are appropriate for the suspected contaminants in the sample.

11.0 DECONTAMINATION AND DISPOSAL PROCEDURES

11.1 Contamination Prevention

Contamination prevention should minimize worker exposure and help ensure valid sample results by precluding cross-contamination. Procedures for contamination avoidance include:

Personnel

- Do not walk through areas of obvious or known contamination.
- Do not directly handle or touch contaminated materials.
- Make sure that there are no cuts or tears on PPE.
- Fasten all closures in suits; cover with tape, if necessary.
- Particular care should be taken to protect any skin injuries.
- Stay upwind of airborne contaminants.
- Do not carry cigarettes, cosmetics, gum, etc., into contaminated areas.

Sampling/Monitoring

- When required by the SSO, cover instruments with clear plastic, leaving openings for sampling ports.
- Bag sample containers prior to emplacement of sample material.

Heavy Equipment

- Care should be taken to limit the amount of contamination that comes in contact with heavy equipment (tires, contaminated augers).
- If contaminated tools are to be placed on non-contaminated equipment for transport to a decontamination area, plastic should be used to keep the equipment clean.
- Dust control measures including water misting will be used on roads inside the Site boundaries.

11.2 Personnel Decontamination

A field wash for equipment and PPE shall be set up and maintained for all persons exiting the EZ. The system will include a gross wash and rinse for all disposable clothing and boots worn in the EZ. As necessary, equipment and facilities will be available for personnel to wash their hands, arms, neck, and face.

11.3 Equipment Decontamination

All potentially contaminated equipment used at the Site will be decontaminated to prevent contaminants from leaving the Site. The decontamination area will provide for the containment of all wastewater from the decontamination process. Respirators and any other PPE that comes in contact with contaminated materials shall pass through a field wash in the decontamination area, and a thorough decontamination at the end of the day. All decontamination rinse water will be collected and managed in accordance with all applicable regulations.

11.4 Decontamination during Medical Emergencies

If emergency life-saving first aid and/or medical treatment are required, normal decontamination procedures may need to be abbreviated or omitted. The Site SSO or designee will accompany contaminated victims to the medical facility to advise on matters involving decontamination, when necessary. The outer garments can be removed if they do not cause delays, interfere with treatment, or aggravate the problem. Respiratory equipment must always be removed. Protective clothing can be cut away. If the outer contaminated garments cannot be safely removed, a plastic barrier between the individual and clean surfaces should be used to help prevent contaminating the inside of ambulances and/or medical personnel. Outer garments are then removed at the medical facility. No attempt will be made to wash or rinse the victim, unless it is known that the individual has been contaminated with an extremely toxic or corrosive material, which could also cause severe injury or loss of life to emergency response personnel. For minor medical problems (ambulatory) or injuries, the normal decontamination procedures will be followed. Note that heat stroke requires prompt treatment to prevent irreversible damage or death. Protective clothing must be promptly removed. Less serious forms of heat stress also require prompt attention and removal of protective clothing immediately. Unless the victim is obviously contaminated, decontamination should be omitted or minimized, and treatment begun immediately.

11.5 Disposal Procedures

A system of segregating all waste will be developed by the SSO.

All discarded materials, waste materials, or other objects shall be handled in such a way as to preclude the potential for spreading contamination, creating a sanitary hazard, or causing litter to

be left onsite. All potentially contaminated materials (e.g., clothing, gloves, etc.,) will be bagged or drummed as necessary, labeled and segregated for disposal. All non-contaminated materials shall be collected and bagged for appropriate disposal as domestic waste.

12.0 EMERGENCY PLAN

Should an emergency situation occur, the emergency plan, outlined in this section, shall be known by Roux Associates and all Subcontractors prior to the start of work. The emergency plan will be available for use at all times during Site work. The plan provides the phone numbers for the fire, police, ambulance, hospital, poison control centers, and directions to the hospital from the Site. This information is to be found in Section 1.2 of the HASP.

Various individual Site characteristics will determine preliminary actions taken to assure that this emergency plan is successfully implemented in the event of a Site emergency. Careful consideration must be given to the proximity of neighborhood housing or places of employment, and to the relative possibility of Site release of vapors, which could affect the surrounding community.

The emergency coordinator shall implement the contingency plan whenever conditions at the Site warrant such action. The coordinator will be responsible for coordination of the evacuation, emergency treatment, and transport of Site personnel as necessary, and notification of emergency response units and the appropriate management staff.

In cases where the project manager is not available, the SSO shall serve as the alternate emergency coordinator.

The SSO during an emergency will perform air monitoring as needed, as well as lend assistance and provide health and safety information to responding emergency personnel.

Site Personnel will endeavor to keep non-essential personnel away from the incident until the appropriate emergency resources arrive. At that time, the responders will take control of the Site. Site personnel may be asked to lend assistance to emergency personnel such as during evacuations, help with the injured, etc.

12.1 Evacuation

Evacuation procedures will be discussed prior to the start of work and periodically during safety meetings. In the event of an emergency situation, such as fire, or explosion, an air horn,

automobile horn, or other appropriate device will be sounded for three (3) sharp blasts indicating the initiation of evacuation procedures. The emergency evacuation route shall be known by all site workers. Under no circumstances will incoming personnel or visitors be allowed to proceed into the area once the emergency signal has been given. The SSO or project manager must ensure that access for emergency equipment is provided and that all combustion apparatuses have been shut down once the alarm has been sounded. All Site personnel will assemble in the designated nearest safe location. Once the safety of all personnel is established, the fire department and other emergency response groups will be notified by telephone of the emergency.

12.2 Personnel Injury

Emergency first aid shall be applied onsite as appropriate. If necessary, the individual shall be decontaminated and transported to the nearest hospital. The SSO will supply medical data sheets to medical personnel and complete the accident/incident reports in accordance with Section 13.4 of the HASP.

The ambulance/rescue squad shall be contacted for transport as necessary in an emergency. However, since some situations may require transport of an injured party by other means, the injured person shall be escorted to the hospital. A map to this facility is shown in Figure 2.

12.3 Accident/Incident Reporting

As soon as first aid and/or emergency response needs have been met, the following parties are to be contacted by telephone: (Direct contact, no phone messages).

		Office:	**Cell:**
1. Project Director:	Craig Werle	631-232-2600	631-793-1535
2. Office Health and Safety Manager:	Joe Gentile	856-423-8800	610-844-6911
3. Site Health and Safety Officer:	Joseph Gavin	631-232-2600	516-754-6671

4. The employer of any injured worker, if not a Roux Associates employee.

Written confirmation of verbal reports are to be submitted within 24 hours. The report form entitled "Accident Report and Investigation Form" (Appendix E) is to be used for this purpose.

All representatives contacted by telephone are to receive a copy of this report. If the employee involved is not a Roux Associates employee, his employer shall receive a copy of the report. In addition to filling out the Accident Report and Investigation Form, if a Roux employee is involved in a vehicle accident, the employee must also complete the Acord form (Appendix F).

For reporting purposes, the term accident refers to fatalities, lost time injuries, spill or exposure to hazardous materials (radioactive materials, toxic materials, explosive or flammable materials), fire, explosion, property damage, or potential occurrence (i.e., near miss) of the above.

Any information released from the health care provider, which is not deemed confidential patient information, is to be attached to the appropriate form. Any medical information, which is released by patient consent, is to be filed in the individual's medical record and treated as confidential.

12.4 Personnel Exposure

Skin Contact:	Use copious amounts of soap and water. Wash/rinse affected area thoroughly, then provide appropriate medical attention. Eyes should be rinsed for 15 minutes upon chemical contamination.
Inhalation:	Move to fresh air and/or, if necessary, decontaminate/transport to hospital.
Ingestion:	Decontamination and transport to emergency medical facility.
Puncture Wound or Laceration:	Decontamination and transport to emergency medical facility.

12.5 Adverse Weather Conditions

In the event of adverse weather conditions, the SSO or project manager will determine if work can continue without sacrificing the health and safety of all field workers. Some of the items to be considered prior to determining if work should continue are:

- Potential for heat stress and heat-related injuries.
- Potential for cold stress and cold-related injuries.
- Treacherous weather-related conditions.
- Limited visibility.
- Electrical storm potential.

Site activities will be limited to daylight hours and acceptable weather conditions. Inclement working conditions include heavy rain, fog, high winds, and lightning. Observe daily weather reports and evacuate if necessary in case of inclement weather conditions.

13.0 LOGS, REPORTS AND RECORD KEEPING

The following is a summary of required health and safety logs, reports, and record keeping for this project.

13.1 Medical and Training Records

The employer keeps medical and training records. The subcontractor employer must provide verification of training and medical qualifications to the SSO. The SSO will keep a log of personnel meeting appropriate training and medical qualifications for Site work. The log will be kept in the project file. Roux Associates will maintain medical records in accordance with 29 CFR 1910.20.

13.2 Onsite Log

The SSO or project manager will keep a log of onsite personnel daily in the designated field book.

13.3 Exposure Records

Any personal monitoring results, laboratory reports, calculations, and air sampling data sheets are part of an employee exposure record. These records will be kept by Roux Associates in accordance with 29 CFR 1910.20.

13.4 Accident/Incident Reports

An accident/incident report must be completed following procedures given in Appendix F. The originals will be sent to Roux Associates for maintenance. Copies will be distributed as stated. A copy of the forms will be kept in the project file.

13.5 OSHA Form 300

An OSHA Form 300 (Log of Occupational Injuries and Illnesses) (Appendix G) will be kept at the Site. All reportable injuries or illnesses will be recorded on this form. At the end of the project, the original will be sent to Roux Associates for maintenance. Subcontractor employers must also meet the requirements of maintaining an OSHA 300 form.

13.6 Daily Safety Logs

The Daily Safety Log form in Appendix D will be completed daily by the SSO and submitted to the project manager.

14.0 FIELD TEAM REVIEW

Each Roux Associates employee or subcontractor shall sign this section after site-specific training is completed and before being permitted to work at the Site.

I have read and reviewed the Site Health and Safety Plan prepared for this Site. I understand and will comply with the provisions contained therein.

Site/Project: Equity One (Northeast Portfolio) Inc.
5510 Broadway
Bronx, New York

Date	Name	Signature	Company

SSO CERTIFICATION OF HOSPITAL DIRECTIONS

Name of Roux Associates SSO:

Date:_____

This is to certify that on _____, I personally drove the route to New York Presbyterian Hospital as listed in the HASP. The Map Routing and Directions were/were not as listed in the plan. Listed below were conditions that resulted in different directions.

_____

Roux Associates Site Health and Safety Officer

TABLES

1. Toxicological, Physical and Chemical Properties of Compounds Potentially Present at the Site
2. Action Levels for Worker Breathing Zone

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
1,1,1-Trichloroethane	71-55-6	TWA 350 ppm STEL 440 ppm C 440 ppm	C 350 ppm (1900 mg/m^3) [15-minute]	TWA 350 ppm (1900 mg/m^3)	700 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, lassitude (weakness, exhaustion), central nervous system depression, poor equilibrium; dermatitis; cardiac arrhythmias;	Eyes, skin, central nervous system, cardiovascular system, liver	Colorless liquid with a mild, chloroform-like odor. BP: 165°F UEL: 12.5% LEL: 7.5%
1,1,2-Trichloroethane	79-00-5	TWA 10 ppm	Ca TWA 10 ppm (45 mg/m^3) [skin]	TWA 10 ppm (45 mg/m^3) [skin]	Ca [100 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; central nervous system depression; liver, kidney damage; dermatitis; [potential occupational carcinogen]	Eyes, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, chloroform-like odor. BP: 237°F UEL: 15.5% LEL: 6%
1,1-Dichloroethane	75-34-3	TWA 100 ppm	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation skin; central nervous system depression; liver, kidney, lung damage	Skin, liver, kidneys, lungs, central nervous system	Colorless, oily liquid with a chloroform-like odor. BP: 135°F Fl.P: 2°F UEL: 11.4% LEL: 5.4%
1,1-Dichloroethene	75-35-4	TWA 5 ppm	Ca (lowest feasible concentration)	TWA 1ppm	Ca [N.D.]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, throat; dizziness, headache, nausea, dyspnea (breathing difficulty); liver, kidney disturbance; pneumonitis; [potential occupational carcinogen]	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid or gas (above 89°F) with a mild, sweet, chloroform-like odor. BP: 89°F Fl.P: -2°F UEL: 15.5% LEL: 6.5% Class IA Flammable Liquid
1,2,4-Trimethylbenzene	95-63-6	None established	TWA 25 ppm (125mg/m^3)	None established	N.D.	Inhalation; ingestion; skin and/or eye contact	Eye, skin, nose, and throat, resp syst irritation; bronchitis; hypochromic anemia; headache, drowsiness, weakness, dizziness, nausea, incoordination, vomit, confusion; chemical pneumonitis	Eyes, skin, resp sys, CNS, blood	Clear, colorless liquid with a distinctive, aromatic odor BP: 337°F FL.P: 112°F UEL: 6.4% LEL: 0.9% Class II Flammable liquid
1,2,4-Trimethylbenzene	95-63-6	TWA 25 ppm (125 mg	TWA 25 ppm (125 mg/m^3)	None established	N.D.	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, fatigue, dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system, blood	Clear, colorless liquid with a distinctive, aromatic odor. BP: 337°F Fl.P: 112°F UEL: 6.4% LEL: 0.9% Class II Flammable Liquid
1,2-Dichlorobenzene	95-50-1	TWA 25 ppm STEL 50 ppm	C 50 ppm (300 mg/m^3)	C 50 ppm (300 mg/m^3)	200 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; liver, kidney damage; skin blisters	Eyes, skin, respiratory system, liver, kidneys	Colorless to pale-yellow liquid with a pleasant, aromatic odor. [herbicide] BP: 357°F Fl.P: 151°F UEL: 9.2% LEL: 2.2% Class IIIA Combustible Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
1,2-Dichloroethane	107-06-2	TWA 10 ppm	Ca TWA 1 ppm (4 mg/m^3) STEL 2 ppm (8 mg/m^3)	TWA 50 ppm C 100 ppm 200 ppm [5-minute maximum peak in any 3 hours]	Ca [50 ppm]	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, corneal opacity; central nervous system depression; nausea, vomiting; dermatitis; liver, kidney, cardiovascular system damage; [potential occupational carcinogen]	Eyes, skin, kidneys, liver, central nervous system, cardiovascular system	Colorless liquid with a pleasant, chloroform-like odor. [Note: Decomposes slowly, becomes acidic & darkens in color.] BP: 182°F Fl.P: 56°F UEL: 16% LEL: 6.2% Class IB Flammable Liquid
1,2-Dichloroethene (total)	540-59-0	TWA 200 ppm (790 m	TWA 200 ppm (790 mg/m^3)	TWA 200 ppm (790 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; central nervous system depression	Eyes, respiratory system, central nervous system	Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor BP: 118-140°F Fl.P: 36-39°F UEL: 12.8% LEL: 5.6% Class IB Flammable Liquid
1,3,5-Trimethylbenzene	108-67-8	None established	TWA 25 ppm (125mg/m^3)	None established	N.D.	Inhalation; ingestion; skin and/or eye contact	Eye, skin, nose, and throat, resp syst irritation; bronchitis; hypochromic anemia; headache, drowsiness, weakness, dizziness, nausea, incoordination, vomit, confusion; chemical pneumonitis	Eyes, skin, resp sys, CNS, blood	Clear, colorless liquid with a distinctive, aromatic odor BP: 329°F FL.P: 122°F Class II Flammable liquid
1,3,5-Trimethylbenzene	108-67-8	TWA 25 ppm (125 mg	TWA 25 ppm (125 mg/m^3)	None established	N.D	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system, blood	Clear, colorless liquid with a distinctive, aromatic odor. BP: 329°F Fl.P: 122°F Class II Flammable Liquid
1,4-Dichlorobenzene	106-46-7	TWA 10 ppm	Ca	TWA 75 ppm (450 mg/m^3)	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Eye irritation, swelling periorbital (situated around the eye); profuse rhinitis; headache, anorexia, nausea, vomiting; weight loss, jaundice, cirrhosis; in animals: liver, kidney injury; [potential occupational carcinogen]	Liver, respiratory system, eyes, kidneys, skin	Colorless or white crystalline solid with a mothball-like odor. [insecticide] BP: 345°F Fl.P: 150°F LEL: 2.5% Combustible Solid
2,4-Dimethylphenol	105-67-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system, mouth, throat, stomach; dizziness, weakness, fatigue, nausea, headache; systemic damage; moderate to severe eye injury.	Skin, CVS, eyes, CNS	Clear, colorless liquid with a faint ether or chloroform-like odor BP: 178°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
2-Butanone (MEK)	78-93-3	TWA 200 ppm (590 mg/m^3) STEL 300 ppm (885 mg/m^3)	TWA 200 ppm (590 mg/m^3) STEL 300 ppm (885 mg/m^3)	TWA 200 ppm (590 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; headache; dizziness; vomiting; dermatitis	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a moderately sharp, fragrant, mint- or acetone-like odor. BP: 175°F Fl.P: 16°F UEL(200°F): 11.4% LEL(200°F): 1.4% Class IB Flammable Liquid
Acenaphthene	83-32-9	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Brown solid
Acetone	67-64-1	TWA 200 ppm STEL 500 ppm	TWA 250 ppm (590 mg/m^3)	TWA 1000 ppm (2400 mg/m^3)	2500 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, nose, throat; headache, dizziness, central nervous system depression; dermatitis	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a fragrant, mint-like odor BP: 133°F Fl.P: 0°F UEL: 12.8% LEL: 2.5% Class IB Flammable Liquid
Anthracene	65996-93-2	TWA 0.2 mg/m^3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
Antimony	7440-36-0	TWA 0.5 mg/m^3	TWA 0.5 mg/m^3	TWA 0.5 mg/m^3	50 mg/m^3 (as Sb)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, mouth; cough; dizziness; headache; nausea, vomiting, diarrhea; stomach cramps; insomnia; anorexia; unable to smell properly	Eyes, skin, respiratory system, cardiovascular system	Silver-white, lustrous, hard, brittle solid; scale-like crystals; or a dark-gray, lustrous powder. BP: 2975°F
Arsenic (inorganic)	7440-38-2 (metal)	TWA 0.01 mg/m3	Ca C 0.002 mg/m3 [15-min]	TWA 0.010 mg/m3	Ca [5 mg/m3 (as As)]	Inhalation; ingestion; skin absorption; skin and/or eye contact	Ulceration of nasal septum, dermatitis, GI disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]	Liver, kidneys, skin, lungs, lymphatic sys	Metal: sliver-gray or tin-white, brittle, odorless solid BP: sublimes
Asbestos	1332-21-4	TWA 0.1 f/cc	Ca 100,000 fibers/m3	TWA 0.1 fiber/cm3	Ca [IDLH value has not been determined]	Inhalation; ingestion; skin and/or eye contact	Asbestosis (chronic exposure), dyspnea, interstitial fibrosis, restricted pulmonary function, finger clubbing, irritation eyes, [potential occupational carcinogen]	Respiratory system, eyes,	White or greenish (chrysotile), blue (crocidolite), or gray-green (amosite), fibrous, odorless solids. BP: decomposes
Asphalt fumes	8052-42-4	TWA 0.5 mg/m^3(fumes)	Ca C 5 mg/m3 [15 min]	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; skin and/or eye contact	Irritation eyes, resp sys	Eyes, respiratory system	Black or dark brown cement-like substance Combustible solid
Barium	7440-39-3	TWA 0.5 mg/m3	None established	TWA 0.5 mg/m3	None established	Inhalation, ingestion, skin contact	Irritation skin, respiratory system, (	Skin, eyes, respiratory system	Yellow white powder BP: 1640 C
Benzene	71-43-2	TWA 0.5 ppm STEL 2.5 ppm	Ca TWA 0.1 ppm STEL 1 ppm	TWA 1 ppm STEL 5 ppm	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]	Eyes, skin, respiratory system, blood, central nervous system, bone marrow	Colorless to light yellow liquid with an aromatic odor [Note: Solid below 42 °F] BP: 176°F Fl.Pt = 12°F LEL: 1.2% UEL: 7.8% Class B Flammable liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Benzo[a]anthracene	56-55-3	None established	None established	None established	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	Irritation eyes, skin, respiratory system, CNS	Skin	Pale Yellow crystal, solid BP: 438 C
Benzo[a]pyrene	50-32-8	None established	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	POISON. This material is an experimental carcinogen, mutagen, tumorigen, neoplastigen and teratogen. It is a probable carcinogen in humans and a known human mutagen. IARC Group 2A carcinogen. It is believed to cause bladder, skin and lung cancer. Exposure to it may damage the developing foetus. May cause reproductive damage. Skin, respiratory and eye irritant or burns.	Skin, eye, bladder, lung, reproductive	Yellow crystals or powder [found in cigarette smoke, coal tar, fuel exhaust gas and in many other sources] BP: 495 C
Benzo[b]fluoranthene	205-99-2	None established	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin and/or eye contact	No data were identified on the toxicity of benzo[b]fluoranthene to humans. Based on results of studies in animals, IARC concluded that benzo[b]fluoranthene is possibly carcinogenic to humans	Respiratory system, skin, bladder, kidneys	Off-white to tan powder
Benzo[k]fluoranthene	207-08-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, gastrointestinal; fatal if swallowed, inhaled, absorbed through the skin; vomiting, nausea, diarrhea	Lungs, respiratory system	Yellow crystals BP: 480 C
Beryllium	7440-41-7 (metal)	TWA 0.002 mg/m^3	Ca C 0.0005 mg/m^3	TWA 0.002 mg/m^3 C 0.005 mg/m^3 (30 minutes) with a maximum peak of 0.025 mg/m^3	Ca [4 mg/m^3 (as Be)]	inhalation, skin and/or eye contact	Berylliosis (chronic exposure): anorexia, weight loss, lassitude (weakness, exhaustion), chest pain, cough, clubbing of fingers, cyanosis, pulmonary insufficiency; irritation eyes; dermatitis; [potential occupational carcinogen]	Eyes, skin, respiratory system	Metal: A hard, brittle, gray-white solid. BP: 4532°F
Bis(2-ethylhexyl) phthalate	117-81-7	TWA 5 mg/m^3	TWA 5 mg/m^3 STEL 10 mg/m^3 (do not exceed during andy 15-minute work period)	TWA 5 mg/m^3	None established	inhalation, skin and/or eye contact	Irritation eyes, skin, nose, throat; affect the nervous system and liver; damage to male reproductive glands	Eyes, skin, nose, respiratory system, nervous system, reproductive system, liver	Colorless to light colored, thick liquid with slight odor
Butane	106-97-8	TWA 1000 ppm	TWA 800 ppm (1900 mg/m^3)	None established	None established	inhalation, skin and/or eye contact (liquid)	Drowsiness, narcosis, asphyxia; liquid: frostbite	central nervous system	Colorless gas with a gasoline-like or natural gas odor. BP: 31°F UEL: 8.4% LEL: 1.6% Flammable Gas

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Cadmium	7440-43-9 (metal)	TWA 0.01 mg/m^3	Ca	TWA 0.005 mg/m^3	Ca [9 mg/m^3 (as Cd)]	inhalation, ingestion	Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen]	respiratory system, kidneys, prostate, blood	Metal: Silver-white, blue-tinged lustrous, odorless solid. BP: 1409°F
Carbon Disulfide	75-15-0	TWA 1 ppm	TWA 1 ppm (3 mg/m^3) STEL 10 ppm (30 mg/m^3) [skin]	TWA 20 ppm C 30 ppm 100 ppm (30-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Dizziness, headache, poor sleep, lassitude (weakness, exhaustion), anxiety, anorexia, weight loss; psychosis; polyneuropathy; Parkinson-like syndrome; ocular changes; coronary heart disease; gastritis; kidney, liver injury; eye, skin burns; dermatitis; reproductive effects	central nervous system, peripheral nervous system, cardiovascular system, eyes, kidneys, liver, skin, reproductive system	Colorless to faint-yellow liquid with a sweet ether-like odor. BP: 116°F Fl.P: -22°F UEL: 50.0% LEL: 1.3% Class IB Flammable Liquid
Chlorobenzene	108-90-7	TWA 10 ppm	None established	TWA 75 ppm (350 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; drowsiness, incoordination; central nervous system depression; in animals: liver, lung, kidney injury	Eyes, skin, respiratory system, central nervous system, liver	Colorless liquid with an almond-like odor BP: 270°F Fl.P: 82°F UEL: 9.6% LEL: 1.3%
Chloroethane	75-00-3	TWA 100ppm	Handle with caution in the workplace	TWA 1000 ppm (2600 mg/m^3)	3800 ppm [10%LEL]	inhalation, skin absorption (liquid), ingestion (liquid), skin and/or eye contact	Incoordination, inebriation; abdominal cramps; cardiac arrhythmias, cardiac arrest; liver, kidney damage	Liver, kidneys, respiratory system, cardiovascular system, central nervous system	Colorless gas or liquid (below 54°F) with a pungent, ether-like odor. BP: 54°F Fl.P: NA (Gas) -58°F (Liquid) UEL: 15.4% LEL: 3.8%
Chloroform	67-66-3	TWA 10 ppm	Ca STEL 2 ppm (9.78 mg/m^3) [60-minute]	C 50 ppm (240 mg/m^3)	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; dizziness, mental dullness, nausea, confusion; headache, lassitude (weakness, exhaustion); anesthesia; enlarged liver; [potential occupational carcinogen]	Liver, kidneys, heart, eyes, skin, central nervous system	Colorless liquid with a pleasant odor BP: 143°F
Chromium	7440-47-3	TWA 0.5 mg/m^3 (metal and Cr III compounds) TWA 0.05 mg/m^3 (water-soluble Cr IV compounds) TWA 0.01 mg/m^3 (insoluble Cr IV compounds)	TWA 0.5 mg/m^3	TWA 1 mg/m^3	250 mg/m^3 (as Cr)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; lung fibrosis (histologic)	Eyes, skin, respiratory system	Blue-white to steel-gray, lustrous, brittle, hard, odorless solid. BP: 4788°F
Chrysene; Phenanthrene; Pyrene; Coal tar pitch volatiles	65996-93-2	TWA 0.2 mg/m3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	Respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
cis-1,2-Dichloroethene	158-59-2	TWA 200 ppm	TWA 200 ppm	TWA 200 ppm	None established	inhalation, skin absorption, ingestion	Harmful if swallowed, inhaled, or absorbed through skin. Irritant. Narcotic. Suspected carcinogen	Skin	Colorless liquid BP: 60 C Fl.P: 4 C UEL: 12.8% LEL: 9.7 %
Copper	7440-50-8	TWA 0.2mg/m^3 (fume) 1 mg/m^3 (dusts and mists)	TWA 1 mg/m^3	TWA 1 mg/m^3	100 mg/m^3 (as Cu)	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; cough, dyspnea (breathing difficulty), wheezing	Eyes, skin, respiratory system, liver, kidneys (increase(d) risk with Wilson's disease)	Noncombustible Solid in bulk form, but powdered form may ignite. BP: 4703°F
Dibenzo[a,h]anthracene	53-70-3	None established	None established	None established	None established	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin	Eyes, skin; skin photosensitization.	Colorless crystalline powder BP: 524°C
Diesel Fuel #2	68476-34-6	None established	None established	Designated as an OSHA Select Carcinogen	None established	ingestion, skin and/or eye contact	Kidney damage; potential lung damage; suspected carcinogen; irritation of eyes, skin, respiratory tract; dizziness, headache, nausea; chemical pneumonitis (from aspiration of liquid); dry, red skin; irritant contact dermatitis; eye redness, pain.	Eyes, skin, kidneys	Clear yellow brown combustible liquid; floats on water; distinct diesel petroleum hydrocarbon odor. BP: 356-716°F Fl.P: 154.4-165.2°F LEL: 0.6% UEL: 7.0%
Ethylbenzene	100-41-4	TWA 100 ppm STEL 125 ppm	TWA 100 ppm (435 mg/m^3) STEL 125 ppm (545 mg/m^3)	TWA 100 ppm (435 mg/m^3)	800 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with an aromatic odor. BP: 277°F Fl.P: 55°F UEL: 6.7% LEL: 0.8% Class IB Flammable Liquid
Fluoranthene	206-44-0	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible burns; heart and liver injury, pulmonary edema, respiratory arrest, gastrointestinal disturbances.	Heart, liver, lungs.	Yellow needles.
Fluorene	86-73-7	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation skin, digestive tract	Skin	White crystals BP: 563°F
Fuel Oil #2	68476-30-2	TWA 100mg/m^3 (aerosol and vapor, as total hydrocarbons)	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS effects; nausea, vomiting, headache, cramping, dizziness, weakness, loss of coordination,, drowsiness; kidney, liver damage	Eyes, skin, CNS	Clear or yellow to red oily liquid, kerosene-like odor BP: 347 - 689 °F UEL:5-6% LEL: 0.7-1.0%
Gasoline	8006-61-9	TWA 300 ppm STEL 500 ppm	Carcinogen	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; ingestion; skin and/or eye contact	Eyes and skin irritation, mucous membrane; dermatitis; headache; listlessness, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis; possible liver, kidney damage [Potential occupational carcinogen]	Eyes, skin, respiratory system, CNS, Liver, Kidneys	Clear liquid with a characteristic odor, aromatic Fl.Pt = -45°F LEL = 1.4% UEL = 7.6% Classs 1B Flammable Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Hexachlorobutadiene	87-68-3	TWA 0.02 ppm	Ca TWA 0.02 ppm (0.24 mg/m^3) [skin]	None established	Ca [N.D.]	inhalation, skin absorption, ingestion, skin and/or eye contact	In animals: irritation eyes, skin, respiratory system; kidney damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, kidneys	Clear, colorless liquid with a mild, turpentine-like odor. BP: 419°F
Hydrogen Sulfide	7783-06-4	TWA (10 ppm) STEL (15 ppm) (adopted values for which changes are proposed in the NIC)	C 10 ppm (15 mg/m^3) [10-minute]	C 20 ppm 50 ppm [10-minute maximum peak]	100 ppm	inhalation, skin and/or eye contact	Irritation eyes, respiratory system; apnea, coma, convulsions; conjunctivitis, eye pain, lacrimation (discharge of tears), photophobia (abnormal visual intolerance to light), corneal vesiculation; dizziness, headache, lassitude (weakness, exhaustion), irritability, insomnia; gastrointestinal disturbance; liquid: frostbite	Eyes, respiratory system, central nervous system	Colorless gas with a strong odor of rotten eggs. BP: -77°F UEL: 44.0% LEL: 4.0% Flammable Gas
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impariment of blood forming tissue	Skin	Fluorescent green-yellow crystalline solid BP: 536 C
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impariment of blood forming tissue	Skin	Yellowish crystal solid BP: 536 C
Isopropylbenzene	98-82-8	TWA 50 ppm	TWA 50 ppm (245 mg/m^3) [skin]	TWA 50 ppm (245 mg/m^3) [skin]	900 ppm [10%LEL]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; dermatitis; headache, narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a sharp, penetrating, aromatic odor. BP: 306°F Fl.P: 96°F UEL: 6.5% LEL: 0.9%
Kerosene	8008-20-6	TWA 200 mg/m^3	TWA 100 mg/m^3	None established	IDLH value has not been determined	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; burning sensation in chest; headache, nausea, lassitude (weakness, exhaustion), restlessness, incoordination, confusion, drowsiness; vomiting, diarrhea; dermatitis; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system	Colorless to yellowish, oily liquid with a strong, characteristic odor. BP: 347-617°F Fl.P: 100-162°F UEL: 5% LEL: 0.7% Class II Combustible Liquid
Lead	7439-92-1	TWA 0.05 mg/m^3	TWA (8-hour) 0.050 mg/m^3	TWA 0.050 mg/m^3	100 mg/m^3 (as Pb)	inhalation, ingestion, skin and/or eye contact	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue	A heavy, ductile, soft, gray solid. BP: 3164°F Noncombustible Solid in bulk form

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Manganese	7439-96-5 (metal)	TWA 0.2 mg/m^3	TWA 1 mg/m^3 STEL 3 mg/m^3	C 5 mg/m^3	500 mg/m^3 (as Mn)	inhalation, ingestion	Manganism; asthenia, insomnia, mental confusion; metal fume fever: dry throat, cough, chest tightness, dyspnea (breathing difficulty), rales, flu-like fever; low-back pain; vomiting; malaise (vague feeling of discomfort); lassitude (weakness, exhaustion); kidney damage	respiratory system, central nervous system, blood, kidneys	A lustrous, brittle, silvery solid. BP: 3564°F
Mercury (organo) alkyl compounds (as Hg)	7439-97-6	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 C 0.04 mg/m^3	2 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Paresthesia; ataxia, dysarthria; vision, hearing disturbance; spasticity, jerking limbs; dizziness; salivation; lacrimation (discharge of tears); nausea, vomiting, diarrhea, constipation; skin burns; emotional disturbance; kidney injury; possible teratogenic effects	Eyes, skin, central nervous system, peripheral nervous system, kidneys	Appearance and odor vary depending upon the specific (organo) alkyl mercury compound
Mercury compounds [except (organo) alkyls] (as Hg) Mercury	7439-97-6	TWA 0.025 mg/m^3 (elemental and inorganic forms)	Hg Vapor: TWA 0.05 mg/m^3 [skin] Other: C 0.1 mg/m3 [skin]	TWA 0.1 mg/m^3	10 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria	Eyes, skin, respiratory system, central nervous system, kidneys	Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.] BP: 674°F
Methyl tert-butyl ether (MTBE)	1634-04-4	TWA 50 ppm	No established REL	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, mucous membrane, respiratory; dizziness, nausea, headache, intoxication	Eyes, skin, mucous membrane, respiratory system, central nervous system	Colorless liquid BP: 55.2 C
Methylene Chloride	75-09-2	TWA 50 ppm, A3 - suspected human carcinogen	Ca	TWA 25 ppm STEL 125 ppm	Ca [2300 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; lassitude (weakness, exhaustion), drowsiness, dizziness; numbness, tingle limbs; nausea; [potential occupational carcinogen]	Eyes, skin, cardiovascular system, central nervous system	Colorless liquid with a chloroform-like odor BP: 104°F UEL: 23% LEL: 13%
Metals Remediation Compound (MRC): Glycerol Tripolylactate Sorbitol Cysteinate Lactic Acid Glycerol	 201167-72-8 444618-64-8 50-21-5 56-81-5	None established	None established	None established	None established	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, skin, respiratory tract	Behavioral (headache), gastrointestinal tract, reproductive system	Viscous amber gel/liquid; strong amine/sulfur odor
Naphtha (coal tar)	8030-30-6	None established	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	1000 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; dizziness, drowsiness; dermatitis; in animals: liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Reddish-brown, mobile liquid with an aromatic odor BP: 320-428°F Fl.P: 100-109°F Class II Combustible Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Naphthalene	91-20-3	TWA 2 ppm STEL 15 ppm	TWA 10 ppm (50 mg/m^3) STEL 15 ppm (75 mg/m^3)	TWA 10 ppm (50 mg/m^3)	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage	Eyes, skin, blood, liver, kidneys, central nervous system	Colorless to brown solid with an odor of mothballs. BP: 424°F Fl.P: 174°F UEL: 5.9% LEL: 0.9%
n-Butylbenzene	104-51-8	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS depression, lung damage; nausea, vomiting, headache, dizziness, weakness, loss of coordination, blured vision, drowsiness, confusion, disorientation	Eyes, skin,repiratory system, central nervous system	Colorless liquid with a sweet odor BP: 183 C Fl.P: 59 C UEL: 5.8% LEL: 0.8%
Nickel	7440-02-0 (Metal)	TWA 1.5 mg/m^3 (elemental) TWA 0.1 mg/m^3 (soluble inorganic compounds) TWA 0.2 mg/m^3 (insoluble inorganic compounds) TWA 0.1 mg/m^3 (Nickle subsulfide)	Ca TWA 0.015 mg/m^3	TWA 1 mg/m^3	Ca [10 mg/m^3 (as Ni)]	inhalation, ingestion, skin and/or eye contact	Sensitization dermatitis, allergic asthma, pneumonitis; [potential occupational carcinogen]	Nasal cavities, lungs, skin	Metal: Lustrous, silvery, odorless solid. BP: 5139°F
Nitrobenzene	98-95-3	TWA 1 ppm	TWA 1 ppm (5 mg/m^3) [skin]	TWA 1 ppm (5 mg/m^3) [skin]	200 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; anoxia; dermatitis; anemia; methemoglobinemia; in animals: liver, kidney damage; testicular effects	Eyes, skin, blood, liver, kidneys, cardiovascular system, reproductive system	Yellow, oily liquid with a pungent odor like paste shoe polish. BP: 411°F Fl.P: 190°F LEL(200°F): 1.8%
n-Propylbenzene	103-65-1	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Harmful if swallowed, Irritation eyes, skin, digestive tract, respiratory tract, central nervous system	Eyes, skin, central nervous system, respiratory system	colorless or light yellow liquid BP: 159 C Fl.P: 47 C UEL: 6% LEL: 0.8%
Petroleum hydrocarbons(Petroleum distillates)	8002-05-9	None established	TWA 350 mg/m^3 C 1800 mg/m^3 [15 min]	TWA 500 ppm (2000 mg/m^3)	1,100 [10% LEL]	Inhalation; ingestion; skin and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, drowsiness, headache, nausea; dried/cracked skin; chemical pneumonitis	CNS, eyes, respiratory system, skin	Colorless liquid with a gasoline or kerosene-like odor BP: 86-460°F Fl. Pt = -40 to -86°F UEL: 5.9% LEL: 1.1% Flammable liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Phenol	108-95-2	TWA 5 ppm	TWA 5 ppm (19 mg/m^3) C 15.6 ppm (60 mg/m^3) [15-minute] [skin]	TWA 5 ppm (19 mg/m^3) [skin]	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose, throat; anorexia, weight loss; lassitude (weakness, exhaustion), muscle ache, pain; dark urine; cyanosis; liver, kidney damage; skin burns; dermatitis; ochronosis; tremor, convulsions, twitching	Eyes, skin, respiratory system, liver, kidneys	Colorless to light-pink, crystalline solid with a sweet, acrid odor. BP: 359°F UEL: 8.6% LEL: 1.8%
p-Isopropyltoluene	99-87-6	None established	None established	None established	None established	inhalation, skin absorption, eye contact	Irritation skin	CNS, skin	Colorless, clear liquid, sweetish aromatic odor BP: 350.8°F Class III Flammable liquid
Regenox Part A: Sodium Percarbonate Sodium Carbonate Monohydrate Silicic Acid Silica Gel	 15630-89-4 5968-11-6 7699-11-6 63231-67-4	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation respiratory tract, mucous membranes, nose, throat, eyes, skin; gastrointestinal disturbance	Respiratory system, eyes, skin	Odorless, white, powder [Note: Self-accelerating decomposition with oxygen release starts at 50° C]
Regenox Part B: Silicic Acid, Sodium Salt, Sodium Silicate; Silica Gel; Ferrous Sulfate; Water	 1344-09-8 63231-67-4 7720-78-7 7732-18-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation respiratory tract, mucous membranes, nose, throat, eyes, skin, mouth, esophagus and stomach	Respiratory system, eyes, skin, gastrointestinal tract	Odorless, Blue/Green, liquid [Note: Oxides of carbon and silicon may be formed when heated to decomposition]
sec-Butylbenzene	135-98-8	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, upper airway; central nervous system, headache, dizziness; gastrointestinal disturbance	Respiratory system, central nervous system, eyes, skin;	Colorless liquid BP: 344°F Fl.P: 126 °F UEL: 6.9% LEL: 0.8% Combustible liquid
Selenium	7782-49-2	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	1 mg/m^3 (as Se)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; visual disturbance; headache; chills, fever; dyspnea (breathing difficulty), bronchitis; metallic taste, garlic breath, gastrointestinal disturbance; dermatitis; eye, skin burns; in animals: anemia; liver necrosis, cirrhosis; kidney, spleen damage	Eyes, skin, respiratory system, liver, kidneys, blood, spleen	Amorphous or crystalline, red to gray solid. [Note: Occurs as an impurity in most sulfide ores.] BP: 1265°F
Silver	7440-22-4 (metal)	TWA 0.1 mg/m^3 (metal, dust, fumes) TWA 0.01 mg/m^3 (Soluble compounds, as Ag)	TWA 0.01 mg/m^3	TWA 0.01 mg/m^3	10 mg/m^3 (as Ag)	inhalation, ingestion, skin and/or eye contact	Blue-gray eyes, nasal septum, throat, skin; irritation, ulceration skin; gastrointestinal disturbance	Nasal septum, skin, eyes	Metal: White, lustrous solid BP: 3632°F
Slop Oil	69029-75-0	None established	None established	None established	None established	Inhalation; ingestion	Irritation eyes, skin, gastrointestinal tract	Eyes, skin, gastrointestinal tract	Clear light to dark amber liquid, with mild hydrocarbon odor. BP: >500°F Fl.P : 250°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Sulfuric Acid	7664-93-9	TWA 0.2 mg/m^3	TWA 1 mg/m^3	TWA 1 mg/m^3	15 mg/m^3	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; pulmonary edema, bronchitis; emphysema; conjunctivitis; stomatis; dental erosion; eye, skin burns; dermatitis	Eyes, skin, respiratory system, teeth	Colorless to dark-brown, oily, odorless liquid. BP: 554°F Noncombustible Liquid
tert-Butylbenzene	98-06-6	None established	None established	None established	None established	inhalation, skin absorption, ingestion,	Eye and respiratory irritant; CNS depression; liver or kidney damage	Respiratory system, central nervous system, eyes, liver, kidney	Colorless liquid with an aromatic odor BP: 168 - 169 C Fl.P: 34 C UEL:5.6 % LEL: 0.8 %
Tetrachloroethene	127-18-4	TWA 25 ppm STEL 100 ppm (STEL) listed as A3, animal carcinogen	Ca Minimize workplace exposure concentrations	TWA 100 ppm C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, liver, kidneys, central nervous system	Colorless liquid with a mild, chloroform-like odor. BP: 250°F Noncombustible Liquid
Toluene	108-88-3	TWA 20 ppm	TWA 100 ppm (375 mg/m^3) STEL 150 ppm (560 mg/m^3)	TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, pungent, benzene-like odor. BP: 232°F Fl.P: 40°F UEL: 7.1% LEL: 1.1% Class IB Flammable Liquid
trans-1,2-Dichloroethene	156-60-5	TWA 200 ppm	None established	TWA 200 ppm STEL 250 ppm (skin)	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Narcotic. Irritation eyes, skin, respiratory tract, mucous membrane; CNS depression.	Respiratory tract, mucous membrane, eyes, skin, CNS	Colorless liquid with a fruity pleasant odor BP: 48°C Fl.P 6C UEL: 12.8% LEL: 9.7%
Trichloroethene	79-01-6	TWA 10 ppm STEL 25 ppm	Ca	TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)	Ca [1000 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system	Colorless liquid (unless dyed blue) with a chloroform-like odor. BP: 189°F UEL(77°F): 10.5% LEL(77°F): 8%
Vinyl Chloride	75-01-4	TWA 1 ppm	Carcinogen	TWA 1 ppm C 5 ppm [15-minute]	Ca [IDLH value has not been determined]	inhalation, skin, and/or eye contact (liquid)	Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]	Liver, central nervous system, blood, respiratory system, lymphatic system	Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. BP: 7°F UEL: 33.0% LEL: 3.6% Flammable Gas

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Xylene (m, o & p isomers)	108-38-3, 95-47-6, 106-42-3	TWA 100 ppm (435 mg/m^3) STEL 150 ppm	TWA 100 ppm (435 mg/m^3)	TWA 100 ppm (435 mg/m^3)	900 ppm	Skin absorption, inhalation, ingestion, skin, and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis	Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys	Colorless liquid with an aromatic odor BP: 282°F, 292°F, 281°F Fl. Pt. 82°F, 90°F, 81°F LEL: 1.1%, 0.9%, 1.1% UEL: 7.0%, 6.7%, 7.0% Classs C Flammable Liquid
Zinc	7440-66-6	TWA 10 mg/m3 (Inhalable fraction)	None established	TWA 10 mg/m3 (for zinc oxide fume)	None established	skin and/or eye contact, inhalation, ingestion	Irritation eyes, skin, respiratory tract; gastrointestinal disturbances	Eyes, skin, respiratory system	Bluish gray solid BP: 1664.6°F Flammable

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

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NIOSH Pocket Guide to Chemical Hazards. 2005. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health

Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists.
BP – boiling point at 1 atmosphere, °F
C – Ceiling, is a concentration that should not be exceeded during and part of the working exposure.
Ca - considered by NIOSH to be a potential occupational carcinogen
CAS# Chemical Abstracts Service registry number which is unique for each chemical.
Fl. Pt. – Flash point
IDLH - Immediately Dangerous to Life and Health concentrations represent the maximum concentration from which, in the event of respirator failure, one could escape within 30 minutes without a respirator and without experiencing any escape-impairing or irreversible health effects.
LEL – Lower explosive (flammable) limit in air, % by volume (at room temperature)
mg/m^3 – Milligrams of substance per cubic meter of air
NIOSH -National Institute for Occupational Safety and Health.
OSHA – Occupational Safety and Health Administration
PEL - OSHA Permissible Exposure Limit (usually) a time weighted average concentration that must not be exceeded during any 8 hour work shift of a 40 hr work week.
ppm – parts per million
REL – NIOSH Recommended Limit indicated a time weighted average concentration that must not be exceeded during any 10 hour work shift of a 40 hr work week
STEL – Short-term exposure limit
TLV -ACGIH Threshold Limit Values (usually 8 hour time weighted average concentrations).
TWA – 8-hour, time-weighted average
UEL – Upper explosive (flammable) limit in air, % by volume (at room temperature)

TABLE 2

ACTION LEVELS FOR WORKER BREATHING ZONE

Instrument	Action Level *	Level of Respiratory Protection/Action
PID	0 to <5 ppm (one minute sustained)	Level D *
PID	>5 to <50 ppm (one minute sustained)	Utilize APR (Level C)
PID	>50 to <100 ppm (one minute sustained)	Level B
PID	>100ppm	Stop work** (ventilate, apply foam)
CGI/H_2S Meter	<5%	Level D
CGI/H_2S Meter	>5% to <25%	Level B
CGI/H_2S Meter	>25%	Stop work**
CGI/CO Meter	>25%	Level B
CGI/CO Meter	>50%	Stop work** (ventilate area)
CGI/O_2 Meter	<10% LEL, in excavation	Level D
	19.5% oxygen – 23.5%	Level D
CGI/O_2 Meter	>10% LEL, in excavation	Allow to vent, apply foam**
	>23.5% oxygen	Stop work, Oxygen Enriched ATM**
Dust Monitor	0 – 1.0 mg/m^3, 5-minutes average	Level D
Dust Monitor	>1.0 to 5.0 mg/m^3, 5-minutes average	Level D – Institute dust suppression measures
Dust Monitor	5.0 to >50 mg/m^3, 5-minute average	Level C – Institute dust suppression measures

Note: Action levels are based on above background levels.

* Instrument readings will be taken in the breathing zone (BZ) of the workers, unless otherwise indicated.

** Suspend work in immediate area. Conduct air monitoring periodically to determine when work can continue. Implement mitigative measures.

FIGURES

1. Site Location Map
2. Hospital Route Map

N

0 400'

Title:

SITE LOCATION MAP

5510 BROADWAY
BRONX, NEW YORK

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.G.	Date: 15AUG12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: J.G.	Project No.: 1924.0005Y000	
File: 1924.0005Y101.02.CDR		

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FIGURE 2

Directions to New York Presbyterian Hospital – 5141 Broadway, New York, NY 10034

- Start at 189 West 230th Street, Bronx, New York
- Head northwest on West 230th Street
- Turn Left on Broadway
- Arrive at 5141 Broadway, New York Presbyterian Hospital on your right

APPENDICES

A. Activity Hazard Analysis

B. Heat and Cold Stress Guidelines

C. Medical Data Form

D. Health and Safety Briefing/Tailgate Meeting Form

E. Accident Report and Investigation Form

F. Acord Form

G. OSHA 300

H. Job Safety and Health Protection Poster

APPENDIX A

Activity Hazard Analysis

JOB SAFETY ANALYSIS	**Ctrl. No. 568**	DATE 9/10/12	☐ NEW ☒ REVISED	PAGE 1 of 1

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
EQUITY ONE, INC.	**Waste Disposal Oversight**	**Movement of 55-gallon Drums**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Wendy Monterosso	Senior Hydrogeologist	Joseph Gentile	CHSM
David Bligh	Project Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots/shoes	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Drum Cart

COMMITMENT TO SAFETY - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
1. Inspect 55-gal drums for proper condition, labeling	1a. Exposure: if drum contains hazardous material, if the drum is damaged; or if the drum has hazardous materials stuck on the outside of the drum	1a. If drum is not properly labeled, do not open and cease all drum transport activities. Immediately contact Project Manager and inform him/her of drum situation. Do not continue drum transport activities until further actions are determined by the project manager. 1a. If drum is properly labeled, but leaking, improperly sealed or in a poor condition, place drum in an over-pack drum.
	1b. Caught: drum could potentially be damaged	1b. Use proper PPE (leather gloves). 1b. If damaged, see 1a.
2. If 55-gal drum is properly labeled and in adequate condition, transfer onto a drum cart	2a. Exertion: muscle strain (handling drums)	2a Use proper body positioning and lifting techniques; keep back straight, lift with legs, keep load close to body, and never reach with a load. 2a. Ensure that loads are balanced to reduce the potential for muscle strain. 2a. Two people or a mechanical lifting aid are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift. 2a. Never move drum by picking it up. If movement is necessary, slightly lean the drum over and roll it on its edge.
	2b. Caught: pinch points associated with handling the drum	2b. Use proper PPE (leather gloves and steel-toed boots). 2b. Never put hand or foot in a position between the drum and the drum cart or ground.
3. Push drum cart with 55-gal drum to appropriate pre-determined drum storage area	3a. Exertion: muscle strain (pushing drum cart)	3a. See 2a. 3a. Inspect the wheels of the cart and ensure that the load is evenly distributed.
	3b. Caught: dropping of the drum	3b. Determine transport route before actually moving the drum. 3b. Remove all obstructions from transport route prior to transport. 3b. Maintain a straight route on solid, level ground. 3b. Ensure that the drum is properly secured before transport.
4. Place 55-gal drum in drum storage area or on lift gate of disposal truck	4a. Exertion: muscle strain (handling drums)	4a. See 2a.
	4b. Caught: pinch points associated with handling the drum	4b. See 2b.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	**Ctrl. No. 569**	DATE 9/10/12	☒ NEW ☐ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
EQUITY ONE, INC.	**Drilling**	**Geoprobe Soil Borings / Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Wendy Monterosso	Senior Hydrogeologist	Joseph Gentile	CHSM
David Bligh	Project Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots/shoes	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Truck-Mounted Drilling Rig, saw, Hand Tools, Photoionization Detector, MultiGas meter (or equivalent),Interface Probe, 20 lb. fire extinguisher, Safety Cones & Flags, "Work Area" Signs

COMMITMENT TO SAFETY - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
1. Mobilization of drilling rig	1a. Contact: equipment/property damage	1a. The drill rig's tower/derrick will be lowered and secured prior to mobilization. 1a. If personnel moves into the path of the drilling rig, the drilling rig will be stopped until the path is again clear. 1a. Use a spotter. 1a. Use caution while advancing the drilling rig. 1a. Inspect the driving path for uneven terrain.
	1b. Fall: slip/trip/fall hazards	1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1b. Use established pathways and walk on stable, secure ground.
2. Setting up drilling rig/work area	2a. Fall: slip/trip/fall hazards associated with drilling equipment and tools	2a. See 1b. 2a. Equipment and tools will be staged in a convenient, stable, and orderly manner. 2a. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e. tools should not be propped against walls or nearby equipment or vehicles). 2a. Equipment and tools that are not anticipated to be used will be returned to an appropriate storage area that is out of the immediate work area. 2a. Ensure power cords and water lines are grouped when used within the work area.
	2b. Exertion: lifting	2b. Use proper body positioning and lifting techniques; keep back straight, lift with legs, keep load close to body, and never reach with a load. 2b. Ensure that loads are balanced to reduce the potential for muscle strain. 2b. Two people or a mechanical lifting aid are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
3. Raising tower/derrick of drilling rig	3. Contact: overhead hazards	3. Prior to raising the tower/derrick, the area above the drilling rig will be inspected for wires, tree limbs, piping, or other structures, that could come in contact with the rig's tower and/or drilling rods or tools. 3. The tower/derrick must not be raised beneath overhead power lines unless approved by the Roux PM. 3. Maintain a safe distance from overhead structures. 3. Do not move the rig while the tower/derrick is raised.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
4. Drilling activity	4a. Contact: flying debris	4a. Use the proper PPE (especially hand, eye, ear and respiratory protection). 4a. Be aware of and avoid potential lines of fire.
	4b. Exposure: noise and dust	4b. Wet borehole area with sprayer to minimize dust. 4b. Stand upwind and keep body away from rig. 4b. No open flames/heat sources.
	4c. Caught: limb/extremity pinching; abrasion/crushing	4c. Use proper PPE. 4c. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 4c. Inspect the equipment prior to use for potential pinch points. 4c. Test all emergency shutdown devices prior to drilling. 4c. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt. 4c. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 4c. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment. 4c. The emergency stop switches on the rig should be tested to ensure proper working condition. 4c. Drillers and helpers will understand and use the "Show Me Your Hands" Policy.
	4d. Contact: equipment imbalance during advancement drill equipment	4d. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and/or tip. 4d. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. 4d. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high. For example, if the boom is ten feet high, non-essential personnel and equipment will be positioned at least ten feet away from the rig in case the rig tips over.
	4e. Exposure: inhalation of contamination	4e. Air monitoring using a calibrated photoionization detector (PID) will be used to periodically monitor the breathing zone of the work area. 4e. The Action Level for breathing zone air is five parts per million (sustained) as detected by the PID. 4e. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional appropriate precautions in accordance with the site specific health and safety plan.
	4f. Fall: slip/trip/fall hazards	4f. See 2a.
5. Decontaminate equipment	5a. Exposure to contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors)	5a. Wear chemical-resistant disposable gloves and safety glasses. 5a. Use an absorbent pad to clean spills.
	5b. Exposure to chemicals in cleaning solution including ammonia	5b. See 5a.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	**Ctrl. No. 570**	DATE 09/10/12	☐ NEW ☒ REVISED	PAGE 1 of 1

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):
EQUITY ONE, INC.	**General**	**Site Mobilization/Demobilization**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Wendy Monterosso	Senior Hydrogeologist	Joseph Gentile	CHSM
David Bligh	Project Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots/shoes	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Safety cones and flags, 20 lb. fire extinguisher, "Work Area" signs (if needed based on task), vehicle tire chocks, caution tape, HASP

COMMITMENT TO SAFETY - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
1. Mobilize/demobilize and establish work area	1a . Fall: tripping/falling due to uneven terrain, weather conditions, and materials/equipment stored at the Site	1a. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1a. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1a . Use established pathways and walk on stable, secure ground.
	1b. Contact: with traffic (including any unintended movement of the work truck), Contact / Interference with Other Site Activities	1b. When first arriving onsite park vehicles in designated parking space and/or out of the way locations. Use parking brake on all vehicles and tire chocks on work trucks and trailers. 1b. Check in with with Site Manager/Supervisor to ensure proper coordination with other site activities. 1b. Identify potential traffic sources. 1b. Wear appropriate PPE including high visibility clothing or reflective vest. 1b. Use a spotter while moving work vehicles; plan ahead to avoid backing when unnecessary. 1b. Delineate work area with cones, flags, caution tape, and/or other barriers. 1b. Position "Work Area" signs at site entrances. 1b. Position largest vehicle to protect against oncoming traffic. 1b. Face traffic, maintain eye contact with oncoming vehicles, use a spotter, and establish a safe exit route. 1b. Chock wheels of work truck and other support equipment on wheels and engage parking brake if possible.
	1c. Exertion: during moving of equipment(cones and signage) into work area	1c. Use proper body positioning and lifting techniques; keep back straight, lift with legs, keep load close to body, and never reach with a load. 1c. Ensure that loads are balanced to reduce the potential for muscle strain.
	1d. Exposure: to biological hazards: ticks, bees/wasps, poison ivy, insects, dogs, etc. (ticks are most active any time the temperature is above freezing from March to November)	1d. Inspect area to avoid contact with biological hazards. 1d. Be aware of pedestrians walking pet dogs and keep distance. 1d. Wear long sleeved clothing to protect skin and apply insect repellant containing DEET when working in overgrown areas of the Site. 1d. Personnel shall examine themselves for ticks. 1d. If skin comes in contact with poison ivy, wash skin thoroughly with soap and water as soon as possible.
	1e. Exposure: to sun, possibly causing sunburn	1e. Wear sunscreen with an SPF of at least 15 whenever 30 minutes or more of exposure is expected.
	1f. Noise hazards (active auto repair facility, impact hammers and compressor noise)	1f. Wear hearing protection if necessary.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	**Ctrl. No. 571**	DATE 9/10/12	☒ NEW ☐ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
EQUITY ONE, INC.	**Drilling**	**Hollow Stem Auger Soil Borings /Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Wendy Monterosso	Senior Hydrogeologist	Joseph Gentile	CHSM
David Bligh	Project Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots/shoes	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Truck-Mounted Drilling Rig, saw, Hand Tools, Photoionization Detector, MultiGas meter (or equivalent),Interface Probe, 20 lb. fire extinguisher, Safety Cones & Flags, "Work Area" Signs (if needed)

COMMITMENT TO SAFETY - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
1. Mobilization of drilling rig	1a. Contact: equipment/property damage	1a. The drill rig's tower/derrick will be lowered and secured prior to mobilization. 1a. If personnel moves into the path of the drilling rig, the drilling rig will be stopped until the path is again clear. 1a. Use a spotter. 1a. Use caution while advancing the drilling rig. 1a. Inspect the driving path for uneven terrain.
	1b. Fall: slip/trip/fall hazards	1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1b. Use established pathways and walk on stable, secure ground.
2. Setting up drilling rig/work area	2a. Fall: slip/trip/fall hazards associated with drilling equipment and tools	2a. See 1b. 2a. Equipment and tools will be staged in a convenient, stable, and orderly manner. 2a. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e. tools should not be propped against walls or nearby equipment or vehicles). 2a. Equipment and tools that are not anticipated to be used will be returned to an appropriate storage area that is out of the immediate work area. 2a. Ensure power cords and water lines are grouped when used within the work area.
	2b. Exertion: lifting	2b. Use proper body positioning and lifting techniques; keep back straight, lift with legs, keep load close to body, and never reach with a load. 2b. Ensure that loads are balanced to reduce the potential for muscle strain. 2b. Two people or a mechanical lifting aid are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
3. Raising tower/derrick of drilling rig	3. Contact: overhead hazards	3. Prior to raising the tower/derrick, the area above the drilling rig will be inspected for wires, tree limbs, piping, or other structures, that could come in contact with the rig's tower and/or drilling rods or tools. 3. The tower/derrick must not be raised beneath overhead power lines unless approved by the Roux PM. 3. Maintain a safe distance from overhead structures. 3. Do not move the rig while the tower/derrick is raised.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
4. Drilling activity	4a. Contact: flying debris	4a. Use the proper PPE (especially hand, eye, ear and respiratory protection). 4a. Be aware of and avoid potential lines of fire.
	4b. Exposure: noise and dust	4b. Wet borehole area with sprayer to minimize dust. 4b. Stand upwind and keep body away from rig. 4b. No open flames/heat sources.
	4c. Caught: limb/extremity pinching; abrasion/crushing	4c. Use proper PPE. 4c. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 4c. Inspect the equipment prior to use for potential pinch points. 4c. Test all emergency shutdown devices prior to drilling to ensure proper working condition. 4c. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt. 4c. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 4c. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment. 4c. Drillers and helpers will understand and use the "Show Me Your Hands" Policy.
	4d. Contact: equipment imbalance during advancement drill equipment	4d. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and/or tip. 4d. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. 4d. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high. For example, if the boom is ten feet high, non-essential personnel and equipment will be positioned at least ten feet away from the rig in case the rig tips over.
	4e. Exposure: inhalation of contamination	4e. Air monitoring using a calibrated photoionization detector (PID) will be used to periodically monitor the breathing zone of the work area. 4e. The Action Level for breathing zone air is five parts per million (sustained) as detected by the PID. 4e. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional appropriate precautions in accordance with the site specific health and safety plan.
	4f. Fall: slip/trip/fall hazards	4f. See 2a.
5. Decontaminate equipment	5a. Exposure to contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors)	5a. Wear chemical-resistant disposable gloves and safety glasses. 5a. Use an absorbent pad to clean spills.
	5b. Exposure to chemicals in cleaning solution including ammonia	5b. See 5a.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	**Ctrl. No. 572**	DATE 9/10/12	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):
EQUITY ONE, INC.	**Monitoring Well Gauging/Sampling**	**Groundwater Gauging and Sampling**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Wendy Monterosso	Senior Hydrogeologist	Joseph Gentile	CHSM
David Bligh	Project Engineer		

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Insect Repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: _Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots/shoes		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Safety cones, caution tape, Interface probe and/or Water level meter, scissors, tubing cutter, 20 lb. fire extinguisher
Equipment as needed: Peristaltic pump, appropriate power sources, tubing, master flex, bailers, poly rope, 55-gallon drums; buckets
Tools as needed: socket wrench, screw driver, crow bar, mallet

COMMITMENT TO SAFETY - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
1. Open/close well	1a. Exertion: muscle strain	1a. Use proper lifting techniques; keep back straight, lift with legs, keep load close to body, and never reach with a load. 1a. Ensure that loads are balanced to reduce the potential for muscle strain. 1a. Two people are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
	1b. Caught: pinch points associated with removing/replacing manholes and working with hand tools	1b. Wear leather gloves when working with well cover and hand tools. 1b. Use proper tools (ratchet and pry bar for well cover) and inspect before use. 1b. Do not put fingers under well cover.
	1c. Exposure: potential hazardous vapors	1c. No open flames/heat sources. 1c. Allow well to vent after opening it and before sampling activities begin to minimize exposure to vapors. 1c. Work on the upwind side of well.
	1d. Contact with traffic	1d. Identify potential traffic sources. 1d. Wear appropriate PPE including high visibility clothing or reflective vest. 1d. Delineate work area with 42 inch safety cones and/or other barriers. Position vehicle to protect against oncoming traffic. Use caution tape to provide a more visible delineation of the work area. 1d. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route.
2. Gauge well	2a. Contact with contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors)	2a. See 1c. 2a. Wear chemical-resistant disposable gloves and safety glasses when gauging well. 2a. Use an absorbent pad to clean probe.
	2b. Contact with traffic	2b. See 1d.
3. Purge and sample well using most appropriate method	3a. Exposure: contamination (e.g., SPH, contaminated groundwater, vapors)	3a. Wear chemical-resistant disposable gloves and safety glasses when gauging well. 3a. Insert and remove tubing or bailers slowly to avoid splashing. 3a. Use an absorbent pad to clean spills (see 1c).
	3b. Exertion: muscle strain while carrying equipment	3b. Use proper lifting techniques when handling/moving equipment. 3b. Use mechanical assistance or make multiple trips to carry equipment (see 1a).
	3c. Exposure: exposure to preservatives and contaminated liquids	3c. Wear chemical-resistant disposable gloves, cut-resistant gloves and safety glasses when handling samples. 3c. Open and fill sample jars slowly to avoid splashing and contact with preservatives.
	3d. Contact: cuts by glass or sharp objects	3d. Wear cut-resistant (i.e., Kevlar) gloves under chemical-resistant gloves when handling VOA vials or when using cutting tools.
	3e. Contact with traffic	3e. See 1d.
	3f. Electrical hazards	3f. Use caution when attaching equipment to power sources. 3f. Avoid touching battery terminals. 3f. Position batteries away from water source.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

[1]JOB STEPS	[2]POTENTIAL HAZARDS	[3]CRITICAL ACTIONS
4. Transfer purge water from 5-gallon buckets to 55-gallon drums (if necessary); move drums to storage area- **See waste disposal/storage JSA**	4a. Exposure to contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater)	4a. Do not overfill buckets or drums and pour liquids in such a manner that they do not splash. 4a. Properly dispose of used materials/PPE in provided drums in designated drum storage area (see 3a).
	4b. Exertion: muscle strain from lifting/carrying 5-gallon buckets	4b. Use proper lifting techniques when carrying buckets. Do not overfill buckets (see 3b).
	4c. Caught: pinch points associated with handling drum lid	4c. Ensure that fingers are not placed under the lid of the drum. Wear leather gloves and use proper tools (ratchet) while sealing drum lid.
	4d. Fall: spilled purge water	4d. Clean up any spills using absorbent pads.
5. Decontaminate interface probe	5a. Exposure to contamination (e.g., SPH, contaminated groundwater, vapors)	5a. See 3a.
	5b. Exposure to chemicals in cleaning solution including ammonia	5b. See 3a.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

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Heat and
Cold Stress Guidelines

Heat Stress

Heat stress is a significant potential hazard and can be associated with heavy physical activity and/or the use of personal protective equipment (PPE) in hot weather environments.

Heat cramps are brought on by prolonged exposure to heat. As an individual sweats, water and salts are lost by the body resulting in painful muscle cramps. The signs and symptoms of heat cramps are as follows:

- severe muscle cramps, usually in the legs and abdomen;
- exhaustion, often to the point of collapse; and
- dizziness or periods of faintness.

First aid treatment includes moving to a shaded area, rest, and fluid intake. Normally, the individual should recover within one-half hour. If the individual has not recovered within 30 minutes and the temperature has not decreased, the individual should be transported to a hospital for medical attention.

Heat exhaustion may occur in a healthy individual who has been exposed to excessive heat. The circulatory system of the individual fails as blood collects near the skin in an effort to rid the body of excess heat. The signs and symptoms of heat exhaustion are as follows:

- rapid and shallow breathing;
- weak pulse;
- cold and clammy skin with heavy perspiration;
- skin appears pale;
- fatigue and weakness;
- dizziness; and
- elevated body temperature.

First aid treatment includes cooling the victim, elevating the feet, and replacing fluids and electrolytes. If the individual has not recovered within 30 minutes and the temperature has not decreased, the individual should be transported to the hospital for medical attention.

Heat stroke occurs when an individual is exposed to excessive heat and stops sweating. This condition is classified as a **MEDICAL EMERGENCY**, requiring immediate cooling of the victim and transport to a medical facility. The signs and symptoms of heat stroke are as follows:

- dry, hot, red skin;
- body temperature approaching or above 105°F;
- large (dilated) pupils; and
- loss of consciousness – the individual may go into a coma.

First aid treatment requires immediate cooling and transportation to a medical facility.

Heat stress (heat cramps, heat exhaustion, and heat stroke) is a significant hazard if any type of protective equipment (semi-permeable or impermeable) which prevents evaporative cooling is worn in hot weather environments. Local weather conditions may require restricted work schedules in order to adequately protect personnel. The use of work/rest cycles (including working in the cooler periods of the day or evening) and training on the signs and symptoms of heat stress should help prevent heat-related illnesses from occurring. Work/rest cycles will depend on the work load required to perform each task, type of protective equipment, temperature, and humidity. In general, when the temperature exceeds 88°F, a 15 minute rest cycle will be initiated once every two hours. In addition, potable water and fluids containing electrolytes (e.g., Gatorade) will be available to replace lost body fluids.

Cold Stress

Cold stress is a danger at low temperatures and when the wind-chill factor is low. Prevention of cold-related illnesses is a function of whole-body protection. Adequate insulating clothing must be used when the air temperature is below 40°F. In addition, reduced work periods followed by rest in a warm area may be necessary in extreme conditions. Training on the signs and symptoms of cold stress should prevent cold-related illnesses from occurring. The signs and symptoms of cold stress include the following:

- severe shivering;
- abnormal behavior;

- slowing of body movement;
- confusion;
- weakness;
- stumbling or repeated falling;
- inability to walk;
- collapse; and/or
- unconsciousness.

First aid requires removing the victim from the cold environment and seeking medical attention immediately. Also, prevent further body heat loss by covering the victim lightly with blankets. Do not cover the victim's face. If the victim is still conscious, administer hot drinks, and encourage activity, such as walking wrapped in a blanket.

APPENDIX C

Medical Data Form

MEDICAL DATA SHEET

This form must be completed by all onsite personnel prior to the commencement of activities, and shall be kept by the Site Health and Safety Officer during site activities. This form must be delivered to any attending physician when medical assistance is needed.

(This form should be typed or printed legibly.)

Site: _____

Name: _____ Home Telephone: _____
(Area Code/Telephone Number)

Address: _____

Date of Birth: _____ Height: _____ Weight: _____

Emergency Contact: _____ Telephone: _____
(Area Code/Telephone Number)

Drug Allergies or Other Allergies: _____

_____

Previous Illnesses or Exposures to Hazardous Substances: _____

_____

_____

Current Medication (Prescription and Non-Prescription): _____

_____

_____

Medical Restrictions: _____

_____

Name, Address and Telephone Number of Person Physician: _____

_____

APPENDIX D

Health and Safety Briefing/ Tailgate Meeting Form

HEALTH & SAFETY BRIEFING / TAILGATE MEETING FORM

Site Name / Location _____

Date: _____ Weather Forecast: _____

Names of Personnel Attending Briefing

_____ _____ _____

_____ _____ _____

_____ _____ _____

Planned Work

_____

_____

_____

Instrument Calibration: Instrument/Time/Cal. Gas/Cal. Concentration/Actual Concentration

_____

_____

_____

Items Discussed

_____

_____

_____

_____

_____

Work Permit Type and Applicable Restrictions

_____

_____

_____

Signatures of Attending Personnel

_____ _____ _____

_____ _____ _____

_____ _____ _____

APPENDIX E

Accident Report and Investigation Form

☐ **Roux Associates, Inc.** ☐ **Remedial Engineering, P.C.**
(Check applicable company name)

ACCIDENT REPORT

Joe Gentile, Corporate Health and Safety Manager
Cell: (610) 844-6911; Office: (856) 423-8800; Office FAX: (856) 423-3220; Home: (484) 373-0953

PART 1: ADMINISTRATIVE INFORMATION

Project #: _____
Project Name: _____
Project Location (street address/city/state):
_____
_____

Client Corporate Name / Contact / Address / Phone #:
_____
_____
_____
_____
_____

Immediate Verbal Notifications Given To:

Corporate Health & Safety	☐Yes	☐No
Office Health & Safety	☐Yes	☐No
Office Manager	☐Yes	☐No
Project Principal	☐Yes	☐No
Project Manager	☐Yes	☐No
Client Contact	☐Yes	☐No

REPORT STATUS (time due):
☐ Initial (24 hr) Date: _____ ☐ Final (5-10 days) Date: _____

Accident Report Delivered To:

Corporate Health & Safety	☐Yes	☐No
Office Health & Safety	☐Yes	☐No
Office Manager	☐Yes	☐No
Project Principal	☐Yes	☐No
Project Manager	☐Yes	☐No

REPORT TYPE: ☐ Loss ☐ Near Loss Estimated Costs: $ _____

OSHA CASE # Assigned by Corporate Health & Safety if Applicable: _____

Corporate Health & Safety Confirmed Final Accident Report
☐Yes ☐No

DATE OF INCIDENT: _____

TIME INCIDENT OCCURRED: _____ ☐AM ☐PM

INCIDENT LOCATION – City, State, and Country (If outside U.S.A.)
_____

INCIDENT TYPES: (Select most appropriate if Loss occurred.)
From lists below, please select the option that best categories the incident. When selecting an injury or illness, also indicate the severity level.

☐**INJURY** ☐**ILLNESS**

----------**Severity Level**----------

☐Fatality ☐First Aid ☐Medical Treatment
☐Restricted Work ☐Lost Time

OTHER INCIDENT TYPES

☐Spill / Release
Material involved:_____
Quantity (U.S. Gallons): _____

☐Misdirected Waste ☐Consent Order ☐NOV
☐Property Damage ☐Exceedance
☐Motor Vehicle ☐Fine / Penalty

ACTIVITY TYPE (Check most appropriate one.)

☐Decommissioning	☐Geoprobe	☐Sampling
☐Demolition	☐Motor Vehicle	☐System Start-up
☐Dewatering	☐Operations/ Maintenance	☐Trenching
☐Drilling		☐AST/UST Removal
☐Excavation	☐Pump/Pilot Test	☐Other_____
☐Gauging	☐Rigging/Lifting	

INJURY TYPE (Check all applicable.)

☐Abrasion	☐Occupational Illness
☐Amputation	☐Puncture
☐Burn	☐Rash
☐Cold/Heat Stress	☐Repetitive Motion
☐Inflammation	☐Sprain/Strain
☐Laceration	☐Other_____

BODY PART AFFECTED (Check all applicable.)

☐Respiratory	☐Shoulder	☐Face
☐Neck	☐Arm	☐Leg
☐Chest	☐Wrist	☐Knee
☐Abdomen	☐Hand/Fingers	☐Ankle
☐Groin	☐Eye	☐Foot/Toes
☐Back	☐Head	☐Other_____

I. PERSON(S) DIRECTLY / INDIRECTLY INVOLVED IN INCIDENT (Attach additional information as necessary/applicable.)

Name/Phone # of Each Person Directly/Indirectly Involved in Incident:	Designate: Roux/Remedial Employee Roux/Remedial Subcontractor Client Employee Client Contractor Third Party	As applicable, Current Occupation; Yrs in Current Occupation; Current Position; and Yrs in Current Position:	As applicable, Employer Name; Address; and Phone #:	As applicable, Supervisor Name; and Phone #:
1)				
2)				

II. PERSONS INJURED IN INCIDENT (Attach additional information as necessary/applicable.)

Name/Phone # of Each Person Injured in Incident:	Designate: Roux/Remedial Employee Roux/Remedial Subcontractor Client Employee Client Contractor Third Party	As applicable, Current Occupation; Yrs in Current Occupation; Current Position; and Yrs in Current Position:	As applicable, Employer Name; Address; and Phone #:	As applicable, Supervisor Name; and Phone #:	Description of Injury:
1)					
2)					

III. PROPERTY DAMAGED IN INCIDENT (Attach additional information as necessary/applicable.)

Property Damaged:	Property Location:	Owner Name, Address & Phone #:	Description of Damage:	Estimated Cost:
1)				$

2)				$

IV. WITNESSES TO INCIDENT (Attach additional information as necessary/applicable.)

Witness Name:	Address:	Phone #:
1)		
2)		

PART 2: WHAT HAPPENED AND INCIDENT DETAILS

PROVIDE FACTUAL DESCRIPTION OF INCIDENT (e.g., describe loss/near loss, injury, response / treatment).

I. AUTHORITIES/GOVERNMENTAL AGENCIES NOTIFIED (Attach additional information as necessary/applicable.)

Authority/Agency Notified:	Name/Phone #/Fax # of Person Notified:	Address of Person Notified:	Date & Time of Notification:	Exact Information Reported/Provided:

II. PUBLIC RESPONSES TO INCIDENT (if applicable)

Response/Inquiry By: (check one)	Entity Name:	Name/Phone # of Respondent/ Inquirer:	Address of Entity/Person:	Date & Time of Response/Inquiry:
☐Newspaper ☐Television ☐Community Group ☐Neighbors ☐Other _____				

Describe Response/Inquiry:

Roux/Remedial Response:

(Check all that apply.) (Attach photos, drawings, etc. to help illustrate the incident.)
ATTACHED INFORMATION: ☐Photo ☐Sketches ☐Vehicle Acord Form ☐Police Report ☐Other

Name(s) of person(s) who prepared Initial and Final Report:	**Title(s):**	**Phone number(s):**

PART 3: INVESTIGATION TEAM ANALYSIS

CONCLUSION: WHY IT HAPPENED (LIST CAUSAL FACTORS AND CORRESPONDING ROOT CAUSES)

(Root Causes: Lack of knowledge or skill, Doing the task according to procedures or acceptable practices takes more time or effort, Short-cuts or not following acceptable practices is reinforced or tolerated, Not following procedures or acceptable practices did not result in an accident, Lack of or inadequate procedures, Inadequate communications of expectations regarding procedures or acceptable practices, Inadequate tools or equipment, External Factors)

ROOT CAUSE(S) AND SOLUTION(S): HOW TO PREVENT INCIDENT FROM RECURRING

CAUSAL FACTOR	ROOT CAUSE		SOLUTION(S) [Must Match Root Cause(s)] #	Solution(s)	PERSON RESPONSIBLE	AGREED DUE DATE	ACTUAL COMPLETION DATE
			1				
			2				
			3				

INVESTIGATION TEAM:

PRINT NAME	JOB POSITION	DATE	SIGNATURE

No One Gets Hurt!

Acord Form

ACORD™ AUTOMOBILE LOSS NOTICE

DATE

PRODUCER	PHONE (A/C, No, Ext):	COMPANY	NAIC CODE: 25224	MISCELLANEOUS INFO (Site & location code)
The Treiber Group, AJ Gallagher Risk Mgt. Svc. 377 Oak Street Garden City, NY 11530		Great Divide Insurance Company		
		POLICY NUMBER BAP1549799-10	REFERENCE NUMBER	CAT #

CODE:	SUB CODE:	EFFECTIVE DATE	EXPIRATION DATE	DATE OF ACCIDENT AND TIME	AM / PM	PREVIOUSLY REPORTED YES / NO
AGENCY CUSTOMER ID:		06/01/12	06/01/13			

INSURED

NAME AND ADDRESS	SOC SEC # OR FEIN: 11-2579482	RESIDENCE PHONE (A/C, No)	BUSINESS PHONE (A/C, No, Ext)
Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749		NA	631-232-2600

CONTACT

CONTACT INSURED

NAME AND ADDRESS	RESIDENCE PHONE (A/C, No)	BUSINESS PHONE (A/C, No, Ext)	WHERE TO CONTACT / WHEN TO CONTACT
Susan Sullivan, General Counsel Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749		631-232-2600	Fax Notice: 631-232-1525

LOSS

LOCATION OF ACCIDENT (Include city & state)	AUTHORITY CONTACTED: REPORT #:	VIOLATIONS/CITATIONS
DESCRIPTION OF ACCIDENT (Use separate sheet, if necessary)		

POLICY INFORMATION

BODILY INJURY (Per Person)	BODILY INJURY (Per Accident)	PROPERTY DAMAGE	SINGLE LIMIT	MEDICAL PAYMENT	OTC DEDUCTIBLE	OTHER COVERAGE & DEDUCTIBLES (UM, no-fault, towing, etc)
LOSS PAYEE					COLLISION DED	

UMBRELLA/ EXCESS	UMBRELLA	EXCESS	CARRIER:	LIMITS:	AGGR	PER CLAIM/OCC	SIR/ DED

INSURED VEHICLE

VEH #	YEAR	MAKE:	BODY TYPE:	PLATE NUMBER	STATE
		MODEL:	V.I.N.:		

OWNER'S NAME & ADDRESS	RESIDENCE PHONE (A/C, No): BUSINESS PHONE (A/C, No, Ext):
DRIVER'S NAME & ADDRESS (Check if same as owner)	RESIDENCE PHONE (A/C, No): BUSINESS PHONE (A/C, No, Ext):

RELATION TO INSURED (Employee, family, etc.)	DATE OF BIRTH	DRIVER'S LICENSE NUMBER	STATE	PURPOSE OF USE	USED WITH PERMISSION? YES / NO
Employee					

DESCRIBE DAMAGE	ESTIMATE AMOUNT	WHERE CAN VEHICLE BE SEEN?	WHEN CAN VEH BE SEEN?	OTHER INSURANCE ON VEHICLE

PROPERTY DAMAGED

DESCRIBE PROPERTY (If auto, year, make, model, plate #)	OTHER VEH/PROP INS? YES / NO	COMPANY OR AGENCY NAME: POLICY #:

OWNER'S NAME & ADDRESS	RESIDENCE PHONE (A/C, No): BUSINESS PHONE (A/C, No, Ext):
OTHER DRIVER'S NAME & ADDRESS (Check if same as owner)	RESIDENCE PHONE (A/C, No): BUSINESS PHONE (A/C, No, Ext):

DESCRIBE DAMAGE	ESTIMATE AMOUNT	WHERE CAN DAMAGE BE SEEN?

INJURED

NAME & ADDRESS	PHONE (A/C, No)	PED	INS VEH	OTH VEH	AGE	EXTENT OF INJURY

WITNESSES OR PASSENGERS

NAME & ADDRESS	PHONE (A/C, No)	INS VEH	OTH VEH	OTHER (Specify)

REMARKS (Include adjuster assigned)

REPORTED BY	REPORTED TO	SIGNATURE OF INSURED	SIGNATURE OF PRODUCER

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Applicable in Arizona

For your protection, Arizona law requires the following statement to appear on this form. Any person who knowingly presents a false or fraudulent claim for payment of a loss is subject to criminal and civil penalties.

Applicable in Arkansas, District of Columbia, Kentucky, Louisiana, Maine, Michigan, New Jersey, New Mexico, Pennsylvania and Virginia

Any person who knowingly and with intent to defraud any insurance company or another person, files a statement of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact, material thereto, commits a fraudulent insurance act, which is a crime, subject to criminal prosecution and civil penalties. In D.C., LA, ME and VA insurance benefits may also be denied.

Applicable in California

Any person who knowingly files a statement of claim containing any false or misleading information is subject to criminal and civil penalties.

Applicable in Colorado

It is unlawful to knowingly provide false, incomplete, or misleading facts or information to an insurance company for the purpose of defrauding or attempting to defraud the company. Penalties may include imprisonment, fines, denial of insurance, and civil damages. Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policy holder or claimant for the purpose of defrauding or attempting to defraud the policy holder or claimant with regard to a settlement or award payable from insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.

Applicable in Florida and Idaho

Any person who knowingly and with the intent to injure, Defraud, or Deceive any Insurance Company Files a Statement of Claim Containing any False, Incomplete or Misleading information is Guilty of a Felony.*

* In Florida - Third Degree Felony

Applicable in Hawaii

For your protection, Hawaii law requires you to be informed that presenting a fraudulanet claim for payment of a loss or benefit is a crime punishable by fines or imprisonment , or both.

Applicable in Indiana

A person who knowingly and with intent to defraud an insurer files a statement of claim containing any false, incomplete, or misleading information commits a felony.

Applicable in Minnesota

A person who files a claim with intent to defraud or helps commit a fraud against an insurer is guilty of a crime.

Applicable in Nevada

Pursuant to NRS 686A.291, any person who knowingly and willfully files a statement of claim that contains any false, incomplete or misleading information concerning a material fact is guilty of a felony.

Applicable in New Hampshire

Any person who, with purpose to injure, defraud or deceive any insurance company, files a statement of claim containing any false, incomplete or misleading information is subject to prosecution and punishment for insurance fraud, as provided in RSA 638:20.

Applicable in New York

Any person who knowingly makes or knowingly assists, abets, solicits or conspires with another to make a false report of the theft, destruction, damage or conversion of any motor vehicle to a law enforcement agency, the Department of Motor Vehicles or an insurance company, commits a fraudulent insurance act, which is a crime, and shall also be subject to a civil penalty not to exceed five thousand dollars and the value of the subject motor vehicle or stated claim for each violation.

Applicable in Ohio

Any person who, with intent to defraud or knowing that he/she is facilitating a fraud against an insurer, submits an application or files a claim containing a false or deceptive statement is guilty of insurance fraud.

Applicable in Oklahoma

WARNING: Any person who knowingly and with intent to injure, defraud or deceive any insurer, makes any claim for the proceeds of an insurance policy containing any false, incomplete or misleading information is guilty of a felony.

APPENDIX G

OSHA 300

OSHA's Form 301
Injuries and Illnesses Incident Report

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

U.S. Department of Labor

Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

This *Injury and Illness Incident Report* is one of the first forms you must fill out when a recordable work-related injury or illness has occurred. Together with the *Log of Work-Related injuries and Illnesses* and the accompanying *Summary*, these forms help the employer and OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the information asked for on this form.

According to Public Law 91-596 and 29 CFR 1904, OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains

If you need additional copies of this form, you may photocopy and use as many as you need.

Completed by _____

Title _____

Phone _____ Date _____

Information about the employee

1) Full Name _____

2) Street _____

City _____ State _____ Zip _____

3) Date of birth _____

4) Date hired _____

5) ☐ Male
☐ Female

Information about the physician or other health care professional

6) Name of physician or other health care professional

_____

_____

7) If treatment was given away from the worksite, where was it given?

Facility _____

Street _____

City _____ State _____ Zip _____

8) Was employee treated in an emergency room?
☐ Yes
☐ No

9) Was employee hospitalized overnight as an in-patient?
☐ Yes
☐ No

Information about the case

10) Case number from the Log _____ *(Transfer the case number from the Log after you record the case.)*

11) Date of injury or illness _____

12) Time employee began work _____ AM/PM

13) Time of event _____ AM/PM ☐ Check if time cannot be determined

14) **What was the employee doing just before the incident occurred?** Describe the activity, as well as the tools, equipment or material the employee was using. Be specific. Examples: "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

15) **What happened?** Tell us how the injury occurred. Examples: "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."

16) **What was the injury or illness?** Tell us the part of the body that was affected and how it was affected; be more specific than "hurt", "pain", or "sore." Examples: "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."

17) **What object or substance directly harmed the employee?** Examples: "concrete floor"; "chlorine"; "radial arm saw." If this question does not apply to the incident, leave it blank.

18) **If the employee died, when did death occur?** Date of death

Public reporting burden for this collection of information is estimated to average 22 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Persons are not required to respond to the collection of information unless it displays a current valid OMB control number. If you have any comments about this estimate or any other aspects of this data collection, including suggestions for reducing this burden, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

APPENDIX H

Job Safety and Health Protection Poster

You Have a Right to a Safe and Healthful Workplace.

IT'S THE LAW!

- You have the right to notify your employer or OSHA about workplace hazards. You may ask OSHA to keep your name confidential.
- You have the right to request an OSHA inspection if you believe that there are unsafe and unhealthful conditions in your workplace. You or your representative may participate in the inspection.
- You can file a complaint with OSHA within 30 days of discrimination by your employer for making safety and health complaints or for exercising your rights under the *OSH Act*.
- You have a right to see OSHA citations issued to your employer. Your employer must post the citations at or near the place of the alleged violation.
- Your employer must correct workplace hazards by the date indicated on the citation and must certify that these hazards have been reduced or eliminated.
- You have the right to copies of your medical records or records of your exposure to toxic and harmful substances or conditions.
- Your employer must post this notice in your workplace.

The *Occupational Safety and Health Act of 1970 (OSH Act)*, P.L. 91-596, assures safe and healthful working conditions for working men and women throughout the Nation. The Occupational Safety and Health Administration, in the U.S. Department of Labor, has the primary responsibility for administering the *OSH Act*. The rights listed here may vary depending on the particular circumstances. To file a complaint, report an emergency, or seek OSHA advice, assistance, or products, call 1-800-321-OSHA or your nearest OSHA office: • Atlanta (404) 562-2300 • Boston (617) 565-9860 • Chicago (312) 353-2220 • Dallas (214) 767-4731 • Denver (303) 844-1600 • Kansas City (816) 426-5861 • New York (212) 337-2378 • Philadelphia (215) 861-4900 • San Francisco (415) 975-4310 • Seattle (206) 553-5930. Teletypewriter (TTY) number is 1-877-889-5627. To file a complaint online or obtain more information on OSHA federal and state programs, visit OSHA's website at **www.osha.gov**. If your workplace is in a state operating under an OSHA-approved plan, your employer must post the required state equivalent of this poster.

1-800-321-OSHA

www.osha.gov

U.S. Department of Labor • Occupational Safety and Health Administration • OSHA 3165

APPENDIX C

Soil Boring Geologic Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1924.0005Y / Equity One		**5510 Broadway**		
APPROVED BY	LOGGED BY	**Bronx, New York**		
W. Monterosso	**J. Gavin**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing / Chris Capobianco		**North of former 4,000 gal tanks**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2 in. / Drive Sampler	**2-inches**	**6620DT / Geoprobe**	**2" Macro-Core**	**7/18/12-7/18/12**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**14.5 feet (Feet BLS)**	**Cuttings and clean sand**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		GRAVEL.			0.2 foot gravel.
		Dark to light brown, fine SAND, some Gravel; dry.		2.5	
5		Dark to light brown, fine SAND, some gray Sand, some Gravel; dry.		1280	5-5.5 ft. bls. soil sample collected for VOC delineation.
10		Dark brown and gray, fine SAND; dry.		600	
		Dark brown fine SAND, and Gravel; moist at 14 ft. bls.		145	
				1800	14-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg. Bottom of boring at 15 ft. bls.
15		Dark brown near black, fine SAND wet. Hydrocarbon-like odor and staining noted.			

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SOIL BORING LOG

WELL NO. **SB-2**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **1924.0005Y / Equity One**		LOCATION **5510 Broadway Bronx, New York**		
APPROVED BY **W. Monterosso**	LOGGED BY **J. Gavin**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling & Testing / Chris Capobianco**		GEOGRAPHIC AREA **South of motor fuel tanks**		
DRILL BIT DIAMETER/TYPE **2 in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6620DT / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/17/12-7/17/12**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **12 feet (Feet BLS)**	BACKFILL **Cuttings and clean sand**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE/GRAVEL.			0.2 foot of concrete.
		Dark to light brown, fine SAND, some Gravel, some Dark brown-near black fine Sand; dry.		6.3	
5					
		GRAVEL; dry.		16.1	5-5.5 ft. bls. soil sample collected for VOC delineation.
		Dark brown, fine SAND, some Gravel; dry.		45.1	
10					
		Dark brown fine SAND; dry.		51	
		GRAVEL; dry.			
		Dark brown, fine SAND, some Gravel; moist at 12 ft. bls		1380	12-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg.
15					Bottom of boring at 15 ft. bls.

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Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
SB-3	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1924.0005Y / Equity One	**5510 Broadway**

APPROVED BY	LOGGED BY	
W. Monterosso	**J. Gavin**	**Bronx, New York**

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
Aquifer Drilling & Testing / Chris Capobianco	**Near former disp, along B'way**

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2 in. / Drive Sampler	**2-inches**	**6620DT / Geoprobe**	**2" Macro-Core**	**7/18/12-7/18/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**12 feet (Feet BLS)**	**Cuttings and clean sand**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		GRAVEL, trace sand; dry.		160	
				16.1	1-3 ft. bls. soil sample collected for VOC delineation.
		Dark to light brown, fine SAND, some Gravel; dry.			
		GRAVEL; dry.		700	
5		Dark to light brown SAND and Gravel; dry.		160	
				14.8	
				75.5	
				1566	
10		Dark to light brown fine SAND, some Gravel; dry to moist at 12 ft. bls.		217	
				1450	
				623	11-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg.
				327	
		Dark brown (near black), fine SAND; wet. Hydrocarbon-like odor and staining.			
15					Bottom of boring at 15 ft. bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1924.0005Y / Equity One		**5510 Broadway**		
APPROVED BY	LOGGED BY	**Bronx, New York**		
W. Monterosso	**J. Gavin**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing / Chris Capobianco		**East of SB-3**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2 in. / Drive Sampler	**2-inches**	**6620DT / Geoprobe**	**2" Macro-Core**	**7/17/12-7/17/12**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**13 feet (Feet BLS)**	**Cuttings and clean sand**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE/GRAVEL.			0.2 foot of concrete.
		Dark to light brown, fine SAND and Gravel; dry.		0.3	
5					5
		Dark to light brown, fine SAND some Gravel; dry.		2.2	
		GRAVEL; dry.			
		Dark to light brown, fine SAND some Gravel; dry.			
10					10
		Dark to light brown, fine SAND some Gravel; moist.		1.1	10-10.5 ft. bls. soil sample collected for VOC delineation.
		Dark brown (near black), fine SAND; wet. Petroleum-like odor and staining.		766.4	12-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg.
15					Bottom of boring at 15 ft. bls. 15

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-5	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
1924.0005Y / Equity One		**5510 Broadway**		
APPROVED BY	LOGGED BY	**Bronx, New York**		
W. Monterosso	**J. Gavin**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing / Chris Capobianco		**East of SB-2, near building**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2 in. / Drive Sampler	**2-inches**	**6620DT / Geoprobe**	**2" Macro-Core**	**7/18/12-7/18/12**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**14 feet (Feet BLS)**	**Cuttings and clean sand**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		GRAVEL; dry.			0.2 foot of gravel.
		Dark to light brown, fine SAND, some Gravel; dry.		11.5	2-3 ft. bls. soil sample collected for VOC delineation.
5		Dark to light brown, fine SAND, some Gravel; dry.		5.5 - 30.8	
10		Dark to light brown, fine SAND, some Gravel; moist.		30 - 75	10-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg.
15		Gray, fine SAND, some Gravel; wet. Hydrocarbon-like odor and staining.			Bottom of boring at 15 ft. bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING
SB-6	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1924.0005Y / Equity One	**5510 Broadway**

APPROVED BY	LOGGED BY	
W. Monterosso	**J. Gavin**	**Bronx, New York**

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
Aquifer Drilling & Testing / Chris Capobianco	**East side, w/in tank grave -former 550 gal tanks**

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2 in. / Drive Sampler	**2-inches**	**6620DT / Geoprobe**	**2" Macro-Core**	**7/17/12-7/17/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Measured**	**Cuttings and clean sand**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.			0.3 foot of asphalt.
		Dark to light brown, fine SAND, some Gravel, trace dark brown (near black) fine sand; dry.		1.3	
5					
		Dark brown (near black) SAND; dry.		11.9	5-6 ft. bls. soil sample collected for VOC delineation.
		Light to dark brown, fine SAND some Gravel; moist. Hydrocarbon-like odor, no discoloration noted.		1080	8-10 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg.
10					Refusal at 10 ft. bls.
15					

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SOIL BORING LOG

WELL NO. **SB-7**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **1924.0005Y / Equity One**		LOCATION **5510 Broadway Bronx, New York**		
APPROVED BY **W. Monterosso**	LOGGED BY **J. Gavin**			
DRILLING CONTRACTOR/DRILLER **Aquifer Drilling & Testing / Chris Capobianco**		GEOGRAPHIC AREA **West of tank grave -former 550 gal tanks**		
DRILL BIT DIAMETER/TYPE **2 in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6620DT / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **7/17/12-7/17/12**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **15 feet (Feet BLS)**	BACKFILL **Cuttings and clean sand**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.			0.2 foot of asphalt.
		Dark brown, fine SAND, some Gravel; dry.		9.3	
				182.7	
		GRAVEL; dry.			
5		Light and dark brown, fine SAND, trace gravel; dry.		1.2-7.9	
10		GRAVEL.		11.2	
		Light and dark brown, fine SAND, trace gravel; dry.			
		Dark brown (near black), fine SAND, some Gravel; dry. Hydrocarbon-like odor and discoloration noted; moist.		712.5	12-13 ft. bls. soil sample collected for VOC delineation. 13-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg.
15					Bottom of boring at 15 ft. bls.

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Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
SB-8	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
1924.0005Y / Equity One	**5510 Broadway**

APPROVED BY	LOGGED BY	
W. Monterosso	**J. Gavin**	**Bronx, New York**

DRILLING CONTRACTOR/DRILLER	GEOGRAPHIC AREA
Aquifer Drilling & Testing / Chris Capobianco	**Near former disp, along W.230th St**

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2 in. / Drive Sampler	**2-inches**	**6620DT / Geoprobe**	**2" Macro-Core**	**7/17/12-7/17/12**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**13 feet (Feet BLS)**	**Cuttings and clean sand**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			0.2 foot of concrete.
		Dark brown, fine SAND, some Gravel; dry.		0.3	
5				0.3	
10				0.3	
				2910	
		Red, fine SAND; dry.			12-12.5 ft. bls. soil sample collected for VOC delineation.
		Dark brown, fine SAND, some Gravel; moist. Hydrocarbon-like odor and discoloration noted.			13-15 ft. bls. soil sample collected for VOCs, SVOCs, Pest, Herb, PCB, Cyanide, Cr6, Cr3, Metals with Hg. Bottom of boring at 15 ft. bls.
15					

APPENDIX D

Sampling Logs

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-1 Weather: 95F +; hot, humid, sunny

Date: 7/17/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 17.50 Water Column (ft): 6.01

Depth to Water(ft): 11.49 Volume of Water in Well (gal) 3.924

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 1340 Purge Rate: 150 mL/min

End Purging: 1415 Volume of Water Removed (gal): 1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1425 Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
1340	11.49	150	-110	1.050	4.5	6.71	18.84	1.57
1345	11.51	150	-111	1.040	3.7	6.68	18.75	1.40
1350	11.65	150	-114	1.020	3.3	6.61	19.04	0.94
1355	11.69	150	-118	1.030	3.7	6.58	19.62	0.62
1400	12	150	-120	1.030	3.6	6.56	19.67	0.49
1405	12.02	150	-121	1.030	3.0	6.55	19.77	0.46
1410	12.05	150	-121	1.030	2.7	6.55	19.69	0.45
1415	12.1	150	-122	1.030	2.7	6.55	19.85	0.42

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-2 Weather: 95F +; hot, humid, sunny

Date: 7/18/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 17.60 Water Column (ft): 5.8

Depth to Water(ft): 11.80 Volume of Water in Well (gal) 3.786

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 1305 Purge Rate: 150 mL/min

End Purging: 1345 Volume of Water Removed (gal): ~1 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1350 Laboratory : Test America

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° F° (w/in 3%)	Dissolved O_2 mg/L (w/in 10%)
1305	11.8	150	-12	0.313	28.8	6.25	23.2	3.10
1310	11.8	150	-13	0.319	26.1	6.20	22.78	2.86
1315	11.8	150	-15	0.324	22.0	6.15	22.27	2.63
1320	11.8	150	-21	0.335	20.1	6.10	21.82	2.20
1325	11.8	150	-26	0.357	21.4	6.08	21.26	1.95
1330	11.8	150	-30	0.365	20.5	6.08	21.27	1.81
1335	11.8	150	-34	0.386	19.5	6.07	21.13	1.68
1340	11.8	150	-37	0.390	18.4	6.07	20.83	1.57
1345	11.8	150	-39	0.399	17.7	6.05	20.71	1.42

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-3 Weather: 95F +; hot, humid, sunny

Date: 7/17/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 19.10 Water Column (ft): 7.70

Depth to Water(ft): 11.40 Volume of Water in Well (gal) 4.80

Depth to Product (ft): N/A Volume of Water to Remove (gal):

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 940 Purge Rate: 150 mL/min

End Purging: 1015 Volume of Water Removed (gal): 1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1020 / (DUP-1050; MSD-1040; MS-1030) Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
940	11.4	150	-65	1.220	8.3	6.62	18.61	0.97
945	11.4	150	-93	1.210	7.4	6.64	18.73	0.90
950	11.6	150	-107	1.200	6.4	6.65	18.63	0.97
955	11.6	150	-112	1.200	6.0	6.65	19.04	0.80
1000	11.48	150	-115	1.200	3.6	6.65	19.24	0.75
1005	11.5	150	-116	1.200	4.3	6.65	19.11	0.70
1010	11.5	150	-117	1.190	3.7	6.65	19.03	0.61
1015	11.51	150	-117	1.200	2.6	6.65	19.04	0.56

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-5 Weather: 95F +; hot, humid, sunny

Date: 7/18/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 19.60 Water Column (ft): 5.72

Depth to Water(ft): 13.88 Volume of Water in Well (gal) 3.734

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 750 Purge Rate: 150 mL/min

End Purging: 825 Volume of Water Removed (gal): ~1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 830 Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
750	13.88	150	-76	1.120	14.9	6.65	23.02	1.14
755	13.88	150	-107	1.130	14.7	6.72	22.04	1.12
800	13.91	150	-123	1.090	12.9	6.75	24.24	0.80
805	14	150	-127	1.100	9.5	6.74	24.65	0.67
810	14.02	150	-127	1.110	9.0	6.75	24.88	0.58
815	14.04	150	-125	1.140	2.2	6.77	24.74	0.85
820	14.05	150	-123	1.080	0.7	6.78	22.56	0.59
825	14.07	150	-120	1.070	1.2	6.77	22.08	0.54

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-6 Weather: 95F +; hot, humid, sunny

Date: 7/18/2012 Purge Water Disposal:

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): Water Column (ft): 0.00

Depth to Water(ft): Volume of Water in Well (gal) 0

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: Purge Rate:

End Purging: Volume of Water Removed (gal):

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: well is dry; has approximately 4-6 inches of water

Samples Collected:
(analyses / no. bottles)

Time: Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-7 Weather: 95F +; hot, humid, sunny

Date: 7/18/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 19.60 Water Column (ft): 5.74

Depth to Water(ft): 13.86 Volume of Water in Well (gal) 3.747

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 910 Purge Rate: 150 mL/min

End Purging: 955 Volume of Water Removed (gal): ~1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1000 Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
910	13.86	150	-119	0.963	44.5	6.82	23.28	2.25
915	13.88	150	-128	0.980	40.1	6.79	22.7	1.47
920	13.9	150	-131	0.979	33.6	6.77	22.6	1.05
930	14.12	150	-134	0.977	30.6	6.77	22.51	0.80
940	14.27	150	-136	0.977	30.7	6.77	22.74	0.66
945	14.35	150	-137	0.977	31.3	6.77	22.96	0.59
950	14.41	150	-137	0.976	32.6	6.77	23.1	0.55
955	14.45	150	-138	0.975	33.6	6.77	23.25	0.52

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-8 Weather: 95F +; hot, humid, sunny

Date: 7/18/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 18.85 Water Column (ft): 5.81

Depth to Water(ft): 13.04 Volume of Water in Well (gal) 3.793

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 1110 Purge Rate: 150 mL/min

End Purging: 1145 Volume of Water Removed (gal): ~1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1150 Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
1110	13.04	150	40	2.740	15.0	7.08	27.23	10.17
1115	13.04	150	-2	2.850	12.2	7.03	25.07	7.87
1120	13.04	150	-5	2.880	11.2	7.02	24.04	7.59
1125	13.04	150	-9	2.900	10.2	7.01	24.06	7.41
1130	13.04	150	-14	2.920	9.6	7.01	23.96	7.18
1135	13.04	150	-23	2.920	8.9	6.99	23.61	6.87
1140	13.04	150	-24	2.920	8.1	6.98	23.55	6.60
1145	13.04	150	-47	2.930	8.1	6.97	23.55	6.46

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-9 Weather: 95F +; hot, humid, sunny

Date: 7/18/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 20.10 Water Column (ft): 8.21

Depth to Water(ft): 11.89 Volume of Water in Well (gal) 5.36

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 1205 Purge Rate: 150 mL/min

End Purging: 1240 Volume of Water Removed (gal): ~1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1245 Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
1205	11.89	150	-133	1.870	9.3	7.07	25.39	2.62
1210	11.89	150	-149	1.940	3.7	6.98	21.8	1.21
1215	11.89	150	-149	1.950	3.4	6.98	21.63	1.08
1220	11.89	150	-150	1.950	3.3	6.97	21.45	0.97
1225	11.89	150	-152	1.930	3.4	6.95	21.22	0.79
1230	11.89	150	-152	1.940	3.5	6.94	21.05	0.73
1235	11.89	150	-153	1.940	3.6	6.92	20.8	0.67
1240	11.89	150	-154	1.940	4.0	6.92	20.92	0.64

Well Sampling Data Form

Client: Equity One **Project Number:** 1924.0005Y

Site Location: 5510 Broadway, Bronx, New York

Well No: MW-10 Weather: 95F +; hot, humid, sunny

Date: 7/17/2012 Purge Water Disposal: Drummed

Sampled By: John Freijomil Well Diameter / Type: 4 in PVC

Depth of Well (ft): 18.90 Water Column (ft): 7.58

Depth to Water(ft): 11.32 Volume of Water in Well (gal) 4.949

Depth to Product (ft): N/A Volume of Water to Remove (gal): n/a

well diameter:	1 in	2 in	**4 in**	6 in	8 in
gallons per foot:	0.041	0.163	**0.653**	1.469	2.611

Start Purging: 1220 Purge Rate: 150 mL/min

End Purging: 1300 Volume of Water Removed (gal): ~1.5 gal

Method of Purge: peristaltic pump Method of Sampling: low-flow

Physical Appearance/ Comments: clean; no odor

Samples Collected: (analyses / no. bottles) VOC, SVOC, Pesticides, Herbicides, PCBs, TAL Metals, Cr6, Cyanide

Time: 1305 Laboratory : Test America

Field Measurements:

Time	DTW	Flow Rate	ORP	Conductivity	Turbidity	pH	Temperature	Dissolved O_2
	ft	ml/min	mV	mS/m - S/m	NTU	SU	C° - F°	mg/L
			(+/- 10 mV)	(w/in 3%)	(w/in %10)	(+/- 0.1)	(w/in 3%)	(w/in 10%)
1220	11.32	150	-127	1.100	2.5	6.81	26.66	2.61
1225	11.38	150	-128	1.130	2.2	6.77	25.27	1.39
1230	11.4	150	-126	1.140	1.0	6.71	23.91	0.95
1235	11.42	150	-125	1.130	1.4	6.67	23.44	0.83
1245	11.56	150	-124	1.140	1.6	6.65	23.06	0.70
1245	11.62	150	-122	1.140	1.5	6.6	22.72	0.54
1250	11.78	150	-122	1.140	1.5	6.59	22.72	0.50
1255	11.8	150	-122	1.150	1.6	6.57	22.87	0.47
1300	11.83	150	-129	1.11	1.5	6.64	26.39	0.36

Soil Vapor Sampling Form
Equity One, 5510 Broadway, Bronx, New York
Soil Vapor Sampling - PhII

Date: 7/18/2012 **Time:** 0925
Weather : 90's F; humid Thunderstorms in PM forecast
Temperature: Humidity:
Wind Magnitude: Wind Direction:
Barometric Pressure: Precipitation:

Sampling Team: Joe Gavin
Sampling Location: SV-1 in tank grave - 4,000 gal tanks
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Redevelopment of Property; former Getty S/S; outside

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 6" feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N
Purge Rate: 183 mL/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 9,000 ppm
Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes** / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -20.0 in. of Hg
Starting Time: 0930
Ending Time: 1007
Ending Pressure: -2 in. of Hg

Summa Canister Identification #: 3527
Flow Regulator ID # 4047
Sample ID # SV-1
Time 10:07
Analysis TO-15
Laboratory TestAmerica, Burlington

Comments:

Soil Vapor Sampling Form
Equity One, 5510 Broadway, Bronx, New York
Soil Vapor Sampling - PhII

Date: 7/18/2012 **Time:** 0919
Weather : 90's F; humid Thunderstorms in PM forecast
Temperature: Humidity:
Wind Magnitude: Wind Direction:
Barometric Pressure: Precipitation:

Sampling Team: Joe Gavin
Sampling Location: SV-2 south of USTs (4,000 gal)
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Redevelopment of Property; former Getty S/S; outside

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 6" feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N
Purge Rate: 183 mL/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: >20,000 ppm
Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes** / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -20.0 in. of Hg
Starting Time: 0924
Ending Time: 1006
Ending Pressure: -2 in. of Hg

Summa Canister Identification #: 4551
Flow Regulator ID # 2930
Sample ID # SV-2
Time 10:06
Analysis TO-15
Laboratory TestAmerica, Burlington

Comments:
0935 = -12" Hg

Soil Vapor Sampling Form
Equity One, 5510 Broadway, Bronx, New York
Soil Vapor Sampling - PhII

Date: 7/18/2012 **Time:** 0904
Weather : 90's F; humid Thunderstorms in PM forecast
Temperature: Humidity:
Wind Magnitude: Wind Direction:
Barometric Pressure: Precipitation:

Sampling Team: Joe Gavin
Sampling Location: SV-3 near old 550 gal USTs
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Redevelopment of Property; former Getty S/S; outside

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 6" feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N
Purge Rate: 183 mL/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 20,000 ppm
Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes** / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg
Starting Time: 0909
Ending Time: 1022
Ending Pressure: -2 in. of Hg

Summa Canister Identification #: 3323
Flow Regulator ID # 4244
Sample ID # SV-3
Time 10:22
Analysis TO-15
Laboratory TestAmerica, Burlington

Comments:
0933 = -20" Hg
1003 = 10" Hg

Soil Vapor Sampling Form
Equity One, 5510 Broadway, Bronx, New York
Soil Vapor Sampling - PhII

Date: 7/18/2012 **Time:** 0910
Weather : 90's F; humid Thunderstorms in PM forecast
Temperature: Humidity:
Wind Magnitude: Wind Direction:
Barometric Pressure: Precipitation:

Sampling Team: Joe Gavin
Sampling Location: SV-4 near dispenser along W.230th
Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)
Redevelopment of Property; former Getty S/S; outside

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 6" feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite: Yes
Apparent Moisture Content: N
Purge Rate: 183 mL/min Must be less than 0.2 L/min
Purge Time: 2 min
Helium Rate at enclosure: 11,000 ppm
Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes** / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -28.0 in. of Hg
Starting Time: 0915
Ending Time: 1023
Ending Pressure: -3 in. of Hg

Summa Canister Identification #: 5092
Flow Regulator ID # 2668
Sample ID # SV-4
Time 10:23
Analysis TO-15
Laboratory TestAmerica, Burlington

Comments:
0935 = -20" Hg
1005 = 10" Hg

APPENDIX E

Laboratory Data Deliverables for Soil, Groundwater, and Soil Vapor Analytical Data

APPENDIX A-2

Remedial Investigation Reports

A-2. 5530 Broadway RIR

5530 BROADWAY
BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 14CVCP208X
NYC E-Designation Site Number: 13EHAZ381X

Prepared for:

Equity One (Northeast Portfolio), Inc.
410 Park Avenue, 12th Floor
New York, New York, 10022

Prepared by:

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209 Shafter Street
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631-232-2600

July 2013
(Revised November 2013)

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
BLS	Below Land Surface
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RCC	Restricted Commercial Soil Cleanup Objectives (Part 375)
RI	Remedial Investigation

Acronym	Definition
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database
UST(s)	Underground Storage Tank(s)
UUC	Unrestricted Use Soil Cleanup Objectives (Part 375)

CERTIFICATION

I, Craig A. Werle, of Roux Associates, Inc, 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 5530 Broadway Site, (NYC VCP Site No. 14CVCP208X). 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.

Craig A. Werle	4/16/14	Craig A. Werle
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 5530 Broadway in the Kingsbridge section of Bronx, New York and is identified as Block 3266 and Lot 23 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 11,500-square feet and is bounded by a de-mapped street (Kimberly Place) to the northeast, a former retail gasoline station to the southwest, the Broadway Plaza New York City Voluntary Cleanup Program (NYC VCP) Site to the southeast, and Broadway to the northwest. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant, mostly covered in vegetation, and contains only the abandoned and partially collapsed basement of the former building which was previously demolished.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of retail redevelopment to cover the entire footprint of the Site. The Site will be improved with a one- or two-story building, totaling approximately 11,500- 20,000 gross square feet, and there would be no open space or landscape areas. The overall building height will be up to 40 feet. The site consists of one lot, Block 3266, Lot 23.

The current zoning designation is commercial C 4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

The Site is currently owned by Equity One (Northeast Portfolio) Inc. and is vacant. A Phase I investigation performed in 2012 reported Sanborn fire insurance maps showing the Site to be undeveloped until at least 1950. There is a gap in the Sanborn map record from 1950 until 1978, when a single-story brick and concrete block structure is depicted in the northwest corner of the

Site. The same building is depicted in subsequent Sanborn maps until 1998, where the Site is shown as a vacant lot. The gap in Sanborn maps between the years of 1914 to 1950 results in unknown use of the property during this time period.

No specific areas of concern (AOCs) were identified onsite other than fill blanketing the upper 5 to 10 feet of the Site.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. To evaluate groundwater quality, three groundwater samples were collected from three temporary monitoring wells that were installed as part of the Phase II;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 18 to 20 feet above sea level.
2. Depth to groundwater ranges from 11 to 12 feet below land surface (bls) at the Site.
3. Groundwater flow is generally from northeast to southwest beneath the Site.
4. Depth to bedrock is unknown, as bedrock was not encountered during this RI. Bedrock is at least 20 feet or greater below the surface.
5. The stratigraphy of the site, from the surface down to the maximum soil boring depth of 20 feet bls, consists of fine sand, with some gravel. Most of the Site is covered with fill material that appears to have been historically used for grading purposes.
6. Laboratory results show exceedances of four VOCs including acetone (140 parts per billion (ppb), benzene (1,800 ppb in 10-12 foot, and 330 ppb at 13-15 foot interval), methylene chloride (350 ppb), and total xylenes (560 ppb in 10-12 foot, 6.2 ppb in 3-15 foot interval in two of the 15 samples from one soil boring (SB-5). The acetone and methylene chloride detections appear to be lab artifacts because they were also found in the

associated lab blanks. Benzene and xylene exceed the Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs), however, they do not exceed the Track 2 Restricted Commercial SCOs. No other VOCs exceeded any of the criteria. The elevated hydrocarbon concentration detected in this sample reflects impacts from the adjacent former Getty station. SVOCs, all polycyclic aromatic hydrocarbons (PAHs), including benzo[a]anthracene (max. of 21,000 ppb); benzo[a]pyrene (max. of 23,000 ppb); benzo[b]fluoranthene (max. of 25,000 ppb); benzo[k]fluoranthene (max. of 11,000 ppb); chrysene (max. of 20,000 ppb); dibenzo[a,h]anthracene (max. of 3,900 ppb); and Indeno[1,2,3-cd]pyrene (max. of 18,000 ppb exceeded Unrestricted Use SCOs as well as Restricted Commercial SCOs. Several metals were detected above Unrestricted Use SCOs and included arsenic (19.5 ppm), barium (365 ppm), chromium (max of 49 ppm), copper (635 ppm), lead (max. of 601 ppm), mercury (max. of 0.31 ppm), nickel (40 ppm), and zinc (600 ppm) in multiple soil borings. Of these metals, arsenic and copper also exceeded the Restricted Commercial SCO. PCBs were not detected in any of the soil borings. The detections described above are evenly distributed across the Site. The random distribution of metals and SVOCs is typical of urban fill material. Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site.

7. Groundwater samples collected during the RI showed no PCBs in any sample. Several SVOCs were identified in groundwater (petroleum hydrocarbons); however, most concentrations were found at trace or estimated concentrations below 2 ppb and none exceeded Part 703.5 Class GA groundwater quality standards (GQS). Four VOCs were identified above Part 703.5 Class GA groundwater quality standards (GQS) in two of the groundwater samples and included benzene (at 400 ppb), isopropylbenzene (at 16 ppb), and methyl tertiary butyl ether (at 42 ppb) and one chlorinated hydrocarbon (PCE) (at 7.1 ppb). There were several detections of metals in groundwater, but sodium and manganese exceeded their respective GQS in dissolved groundwater samples. Overall, groundwater samples are consistent with soil samples and do not indicate a contaminant source on this property. Rather, the petroleum hydrocarbons detected in groundwater are consistent with the known (closed) petroleum spill at the neighboring former Getty gasoline station property.

8. Soil vapor samples collected during the RI showed a variety of VOCs, including petroleum hydrocarbons and chlorinated hydrocarbons. Most compounds were detected at concentrations below 50 $\mu g/m^3$ except for acetone (maximum of 161 $\mu g/m^3$) and (butane (maximum of 690 $\mu g/m^3$). Tetrachloroethylene (PCE) was identified in all four soil vapor samples and ranged from 19 $\mu g/m^3$ to 1400 $\mu g/m^3$, and trichloroethylene (TCE) was detected at a maximum concentration of 9.2 $\mu g/m^3$. TCA and carbon tetrachloride were not detected in soil vapor. The PCE and TCE concentrations are above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

1.0 SITE BACKGROUND

Equity One (Northeast Portfolio) Inc. has applied to enroll in the NYC VCP to investigate and remediate an approximately 11,500- square foot site located at 5530 Broadway in the Kingsbridge section of Bronx, New York. Commercial use is proposed for the property. The RI work was performed on May 21 and 22, 2013. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 5530 Broadway in the Kingsbridge section of Bronx, New York and is identified as Block 3266 and Lot 23 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 11,500-square feet and is bounded by a de-mapped street (Kimberly Place) to the northeast, a former retail gasoline station to the southwest, the Broadway Plaza NYC VCP Site to the southeast, and Broadway to the northwest. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant, mostly covered in vegetation, and contains only the abandoned and partially collapsed basement of the former building which was previously demolished.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of retail redevelopment to cover the entire footprint of the Site. The Site will be improved with a one- or two-story building, totaling approximately 11,500- 20,000 gross square feet, and there would be no open space or landscape areas. The overall building height will be up to 40 feet. The site consists of one lot, Block 3266, Lot 23.

Although redevelopment plans have not been finalized, a slab on grade building will include a site wide excavation to approximately four feet below grade. The existing basement structure from the former building that still exists at the Site will also be removed by excavation that will extend to a depth of approximately 9 feet below grade. If a basement is added to the new building design a general site-wide excavation will be completed to a depth of nine to ten feet. Removal of the

basement structure is the only demolition that will take place at the Site. The layout of the proposed site development is presented in Figure 3.

The current zoning designation is commercial C 4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

To the northwest the property is bounded by Broadway, along which the elevated Number 1 subway line runs. Further northwest across Broadway are retail/commercial spaces, residential properties including several apartment complexes, and Public School 207. To the northeast the property is bounded by the de-mapped street Kimberly Place. Further northeast across Kimberly Place are retail/commercial buildings, including a RadioShack, music store, 99 cents store, pet store, kitchen supply store and Verveelen Place. To the southwest the property is bounded by a former retail gasoline and service station, and West 230th Street. Across West 230th Street are commercial and light industrial buildings. To the southeast the property is bounded by the Broadway Plaza NYC VCP Site. Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site is currently owned by Equity One (Northeast Portfolio) Inc. and is vacant. A Phase I investigation performed in 2012 reported Sanborn fire insurance maps showing the Site to be undeveloped until at least 1950. There is a gap in the Sanborn map record from 1950 until 1978, when a single-story brick and concrete block structure is depicted in the northwest corner of the Site. The same building is depicted in subsequent Sanborn maps until 1998, where the Site is shown as a vacant lot. The gap in Sanborn maps between the years of 1914 to 1950 results in unknown use of the property during this time period.

2.2 Previous Investigations

It appears that a Site investigation was performed at the Site in May 1993 based on New York State Department of Environmental Conservation (NYSDEC) records. No reports were available from this work; however, the NYSDEC case notes indicated that a subsurface investigation was performed on behalf of the Taco Bell Corporation prior to the occupation of the Site by a Popeye's restaurant. This investigation is summarized below and the NYSDEC case notes are included in Appendix A.

In May of 1993, Giles Engineering Associates (GEA) performed a subsurface investigation at the Site. GEA installed seven soil borings and collected soil and groundwater samples for analysis. Hydrocarbon contamination was found in one of the groundwater samples and as a result, three monitoring wells were installed in December 1993. Elevated concentrations of BTEX and MTBE were detected in two of the three wells. A spill number was opened by NYSDEC and subsequently closed on September 22, 2003 and combined with the open spill number for the neighboring Former Getty Gasoline Service Station.

2.3 Site Inspection

A Site inspection performed in May 2013 by Craig A. Werle, Principal Hydrogeologist, and Wendy Monterosso, Senior Hydrogeologist, of Roux Associates, Inc., confirmed the current use of the Site as a vacant lot, with the only improvements being the remaining abandoned basement of the former onsite building. The remainder of the Site is covered with vegetation, except for a few small areas paved with asphalt. The Site is completely enclosed with a chain link fence.

Broadway serves as the sole means of access. No specific areas of concern (AOCs) were identified onsite other than fill blanketing the upper 5 to 10 feet of the Site.

2.4 Areas of Concern

1. The only AOC identified for this site during the Site inspection is Site wide urban fill.
2. Former Getty Gas station on adjacent site with closed spill number 0904799 (closed on 11/19/13).
3. Existing basement filled with demolition building materials.

The Phase I Report is presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Craig A. Werle, of Roux Associates, Inc. (Roux Associates), 209 Shafter Street, Islandia, New York. The field manager responsible for the field oversight of the RI is Joseph P. Gavin of Roux Associates.

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. A site specific Health and Safety Plan (HASP) is included in Appendix B and describes appropriate health and safety precautions for all Site activities as well as directions to the nearest hospital.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. No wastes were generated from the soil borings or groundwater grab samples due to the volume of material required for the laboratory analysis.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

On behalf of Equity One, Roux Associates performed the following scope of work:

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

2. Installed seven soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. To evaluate groundwater quality, three groundwater samples were collected from three temporary monitoring wells that were installed as part of the Phase II; and

4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.

4.1 Geophysical Investigation

No geophysical investigation was performed as part of the Phase II investigation.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On May 21 and 22, 2013, a subsurface remedial investigation was performed at the Site. A total of seven soil borings, three temporary wells, and four soil vapor points were installed during the investigation. All soil borings were advanced using a Geoprobe® track-mounted direct-push drill rig owned and operated by Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York. Samples of the soil profile were collected in continuous five-foot increments using a 2-inch-diameter macrocore sampler to a maximum depth of 20 feet bls. Each soil core was field-screened with a photo-ionization detector (PID) and the lithology recorded.

The details for each location are summarized in the following table:

Location ID	Depth (feet)	Diameter (inches)	GPS coordinates (degrees) Latitude / Longitude
SB-1	15	2	40.877511 / -73.905241
SB-2	15	2	40.877311 / -73.905435
SB-3	15	2	40.877425 / -73.905456
SB-4	15	2	40.877549 / -73.905322

Location ID	Depth (feet)	Diameter (inches)	GPS coordinates (degrees) Latitude / Longitude
SB-5	15	2	40.877371 / -73.905576
SB-6	15	2	40.877491 / -73.905604
SB-7	15	2	40.877400 / -73.905655

Boring logs were prepared by a hydrogeologist and they are presented in Appendix D. A map showing the location of soil borings is shown in Figure 6, along with their respective summarized soil sample results. Concentrations that exceed NYSDEC Part 375 Unrestricted Use Criteria (UUC) are shown in black, and exceedances of the Restricted Commercial Criteria (RCC) are shown in red.

Groundwater Monitoring Well Construction

At three soil boring locations (SB-1, SB-5 and SB-6), temporary, one-inch diameter, schedule-40 polyvinyl chloride well screens were installed to a depth of 20 feet, approximately one to two feet below the observed water table during drilling to facilitate the collection of groundwater samples. These screens were removed following the collection of the groundwater samples. No permanent groundwater monitoring wells were installed during the RI. Temporary monitoring well locations are shown in Figure 2.

Survey

Soil boring and temporary well locations are approximate.

Water Level Measurement

No permanent wells were installed at the Site, therefore, water levels were not collected. The observed water table encountered during drilling is at approximately 12 feet below land surface.

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. Since none of these conditions exist at the Site, sampling locations were chosen to obtain adequate analytical information to characterize the Site and based on previous sampling data and potential impacts from the former Getty gasoline station that borders the Site to the southwest. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Seven soil borings were advanced and a total of 15 soil samples were collected for chemical analysis during this RI. One duplicate soil sample was also collected. The macrocore sampler was decontaminated using non-phosphate soap and a fresh water rinse between each sample. A new dedicated acetate liner was used for the collection of each soil core. Following field screening as described in Section 4.2, all soil samples were placed in the laboratory-supplied containers, cooled to 4° Celsius, and transported to the laboratory under chain of custody procedures.

Soil samples were analyzed by TestAmerica Laboratories, Inc. (TestAmerica), an Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP Lab ID # 11452), for Target Compound List (TCL) plus 30/ Target Analyte List (TCL + 30/TAL) (which includes TCL Volatile Organic Compounds [VOCs] + 10, TCL Base neutral acids [BNA], [SVOCs] + 20, TCL polychlorinated biphenyls [PCBs], and TAL Metals [including hexavalent chromium], and Total Cyanide). Analytical data was provided in NYSDEC ASP Category B deliverable packages with case narratives describing how closely the data met the quality objectives as described by the NYSDEC ASP.

Analytical results for soil samples were compared to NYSDEC Unrestricted Use (UU) and Restricted Commercial (RC) Soil Cleanup Objectives (SCOs) for the Protection of Public Health presented in 6 NYCRR Subpart 375-6. These SCOs were selected based on the future use of the Site, as well as the anticipated VCP cleanup track for the Site.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 2 through 5. Figure 6 shows the location of samples collected in this investigation, along with their respective summarized sample results. Laboratories and analytical methods are shown below.

Groundwater Sampling

Four groundwater samples were collected for chemical analysis during this RI. One field duplicate and one field blank were collected for each analyte in the sample suite. Field parameters, including temperature, pH, conductivity, turbidity, and dissolved oxygen concentration, were also collected with a Horiba U-22 water quality meter during well sampling. At each groundwater sampling location, groundwater samples were collected using low-flow (minimal drawdown) procedures. Prior to sample collection, each point was briefly purged at low-flow evacuation rates of 0.1 to 0.5 liters per minute (L/min) using a peristaltic pump and new dedicated polyethylene tubing. The water quality meter was decontaminated with non-phosphate soap and a fresh water rinse after sampling at each well location. Groundwater samples were collected at the same flow rate as purging, using the same device as was used for purging. All groundwater samples were placed in the laboratory-supplied containers, cooled to 4° Celsius, and transported to the laboratory under chain of custody procedures.

Groundwater sample collection data is reported in Tables 6 through 9. Sampling logs with information on purging and sampling of groundwater monitor wells are included in Appendix D. Figure 7 shows the location of groundwater samples along with their respective summarized sample results. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Four temporary soil vapor probes were installed and four soil vapor samples were collected for chemical analysis during the RI. Temporary soil vapor points were installed using a Geoprobe® rig to the target depth of five feet. A Geoprobe® rod equipped with a Geoprobe® soil vapor sampling connector and a disposable drive point was advanced 4.5 to 5 feet into the ground. At each location, a temporary soil vapor sampling port consisting of a six-inch long stainless steel screen was advanced to the bottom of the Geoprobe® rod with a Teflon-lined sampling tube running to the surface. The annular space around the screen was filled with sand and a surface

seal consisting of bentonite clay was installed to prevent ambient air intrusion. The end of the sampling tube was fitted with Master-Flex flexible tubing and tied off to prevent ambient air and/or water from entering the tubing prior to sample collection.

Prior to sample collection, the Teflon™-lined tubing was purged of approximately two volumes of the tubing using a vacuum pump set at a rate of 0.2 liters per minute. A tracer gas (i.e., laboratory grade helium) was used to enrich the atmosphere in the immediate vicinity of the sampling location in order to test the borehole seal and verify that ambient air was not being drawn into the sample. Following purging and verification with the tracer gas, the sample tubing was connected to a pre-evacuated, laboratory supplied, six-liter SUMMA canister with a laboratory calibrated regulator set to collect a sample over a one-hour interval. Soil vapor samples were submitted for laboratory analysis under chain of custody procedures for analysis using USEPA Method TO-15 for VOCs.

Soil vapor sampling locations are shown in Figure7. Soil vapor sample collection data is reported in Table 10. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

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

Factor	**Description**
Quality Assurance Officer	The chemical analytical quality assurance is directed by Wendy Monterosso
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were TestAmerica Laboratories, Inc. (ELAP Lab ID # 11452)
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); and • PCBs by EPA Method 8082A (rev. 2000).

Factor	Description
	• Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); and • PCBs by EPA Method 8082A (rev. 2000). • Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 10, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices E and F.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site, from the surface down to the maximum soil boring depth of 20 feet bls, consists of fine sand, with some gravel. The Site has fill material historically used for grading purposes. Bedrock was not encountered during the RI.

Hydrogeology

The average depth to groundwater is 12 feet bls, as observed in the field during drilling activities. A map of groundwater level elevations could not be constructed because no permanent monitoring wells were installed as part of this RI. Groundwater flow direction is from northeast to southwest, based on previous investigations and observations from the two adjoining properties.

5.2 Soil Chemistry

A total of 15 soil samples were collected during the RI. The soil quality results are presented in Table 2 (VOCs), Table 3 (SVOCs), Table 4 (metals), and Table 5 (PCBs). Figure 6 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Restricted Commercial Soil Cleanup Objectives.

Laboratory results show an exceedance of four VOCs (acetone, benzene, methylene chloride, and total xylenes) in two of the 15 samples from one soil boring (10-12 feet bls and 13-15 feet bls in SB-5). The acetone and methylene chloride detections appear to be lab artifacts because they were also found in the associated lab blanks. Benzene was detected in the 10-12 foot bls interval at a concentration of 1,800 parts per billion (ppb), and in the 13-15 foot bls interval at 330 ppb; these detections exceed the Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs) of 60 ppb for this compound listed in Table 375-6.8(a) of NYSDEC 6 NYCRR Part 375. They do not exceed the Track 2 Restricted Commercial SCOs. Total xylenes were detected in the 10-12 foot bls interval at a concentration of 560 ppb, which exceeds the Track 1 SCOs, but not the Track 2 Restricted Commercial SCOs. In the 13-15 foot bls interval, total xylenes were detected at 6.2 ppb, which is below both the Track 1 and Track 2 Restricted Commercial SCOs. No other VOCs exceeded any of the criteria. The maximum total VOC concentration detected was 17,607 ppb in boring SB-5 in

the 10-12 foot bls interval. The elevated hydrocarbon concentration detected in this sample reflects impacts from the adjacent former Getty station.

A total of four samples collected from four borings contained SVOCs in exceedance of the Track 1 SCOs. Results from borings SB-1 (12-14 feet bls), SB-2 (0-2 feet bls), SB-3 (11-13 feet bls), and SB-4 (0-2 feet bls) showed exceedances of seven SVOCs, all of them polycyclic aromatic hydrocarbons (PAHs): Benzo[a]anthracene ranging in concentrations from 21,000 ppb (SB-3) to 1,400 ppb (SB-1); Benzo[a]pyrene ranging in concentration from 23,000 ppb (SB-3) to 1,400 ppb (SB-1); Benzo[b]fluoranthene ranging in concentration from 25,000 ppb (SB-3) to 1,700 ppb (SB-1); Benzo[k]fluoranthene ranging in concentration from 11,000 ppb (SB-3) to 1,100 ppb (SB-2) and non-detect (SB-1); Chrysene ranging in concentration from 20,000 ppb (SB-3) to 5,300 ppb (SB-4), and below the Track 1 SCOs in SB-1 (99 ppb, estimated) and SB-2 (250 ppb, estimated); Dibenzo[a,h]anthracene ranging in concentration from 3,900 ppb (SB-3) to 690 ppb (SB-4) and below the Track 1 SCOs in SB-1 (160 ppb) and SB-2 (260 ppb); and Indeno[1,2,3-cd]pyrene ranging in concentration from 18,000 ppb (SB-3) to 620 ppb (SB-1). Benzo[a]pyrene exceeded the respective Track 2 Restricted Commercial SCOs (1,000 pbb) in the same four samples, with concentrations ranging from 23,000 ppb (SB-3) to 1,400 ppb (SB-1), as described above. Dibenzo[a,h]anthracene was detected in two borings at concentrations exceeding the Track 2 Restricted Commercial SCOs (560 ppb), with concentrations ranging from 3,900 ppb (SB-3) to 690 ppb (SB-4). Benzo[a]anthracene, Benzo[b]fluoranthene and Indeno[1,2,3-cd]pyrene were also detected above their respective Track 2 Restricted Commercial SCOs in SB-3 at concentrations of 21,000 ppb, 25,000 ppb and 18,000 ppb, respectively. There were no other Track 1 Unrestricted Use or Track 2 Restricted Commercial exceedances in the remaining 11 samples.

All soil borings contained metal detections in exceedance of Track 1 SCOs. Lead was detected in all soil borings ranging in concentration from 46.2 ppm (below the Track 1 SCO) in SB-2 in the 11-13 foot bls interval, to 601 ppm in SB-6 in the 11-12.5 foot bls interval. Lead exceeded the Track 1 SCOs in all seven soil borings, with the exception of SB-2, however; none of these detections exceeded the Track 2 Restricted Commercial SCOs (1,000 ppb). Mercury was detected in all soil borings ranging in concentration from 0.032 ppm in SB-2 in the 0-2 foot bls interval to 0.31 ppm in SB-3 in the 0-2 foot bls interval. Mercury exceeded the Track 1 SCO (0.18 ppm) in

two soil borings (SB-3 and SB-6), and did not exceed the Track 2 Restricted Commercial SCO (2.8 ppm) in any soil borings. Arsenic exceeded both the Track 1 SCO (13 ppm) and the Track 2 Restricted Commercial SCO (16 ppm) in one soil boring (SB-6, 0-2 feet bls) at a concentration of 19.5 ppm. Chromium exceeded the Track 1 SCO of 30 ppm in one soil boring (SB-4, 8-10 feet bls) at a concentration of 49.3 ppm, but did not exceed the Track 2 Restricted Commercial SCO (1,500 ppm). Barium, Copper, Nickel, and Zinc were also detected at concentrations exceeding the Track 1 SCOs in multiple soil borings. Copper exceeded the Track 2 Restricted Commercial SCO (270 ppm) in two soil borings (SB-1, 12-14 feet bls and SB-4, 0-2 feet bls) at concentrations of 635 ppm and 464 ppm, respectively.

PCBs were not detected in any of the soil borings.

The detections described above are evenly distributed across the Site. The random distribution of metals and SVOCs is typical of urban fill material. VOC and SVOC detections near the water table in SB-5 are consistent with previous investigations and the known Spill at the neighboring former Getty gasoline station property.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. It is expected that soil remediation at the Site will be consistent with Track 2 Restricted Commercial SCOs. Although redevelopment plans have not been finalized, a slab on grade building will include a site-wide excavation to approximately four feet below grade. The existing basement structure will also be removed by excavation that will extend to a depth of approximately 9 feet below grade. Track 2 exceedances at borings SB-1 (SVOCs at 12 to 14 feet) and SB-3 (SVOCs and lead at 11 to 13 feet) will be removed by hot spot excavation and post–excavation sampling for verification. If a basement is added to the new building design a general site-wide excavation will be completed to a depth of nine to ten feet.

5.3 Groundwater Chemistry

A total of three groundwater grab samples were collected during the RI from temporary well points set in SB-1, SB-5, and SB-6. Groundwater quality results are presented in Table 6 (VOCs), Table 7 (SVOCs), Table 8 (metals), and Table 9 (PCBs). Figure 7 shows the location and posts

the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

Groundwater results showed minor detections of VOCs in two locations, with total VOC concentrations ranging from 1.05 ppb in SB-6 to 9.19 ppb in SB-1 which included 7.1 ppb of PCE. The Part 703.5 Class GA groundwater quality standards (GQS) for PCE is 5 ppb. In the third well SB-5, three compounds exceeded the respective GQS Including benzene at a concentration of 400 ppb, isopropylbenzene at a concentration of 16 ppb, and Methyl Tertiary Butyl Ether (MTBE) at a concentration of 42 ppb.

There were several minor detections of SVOCs with only one compound (Phenol, 6.4 ppb estimated) exceeding the respective GQS of 1 ppb.

There were several detections of metals in groundwater. The metals that exceeded their respective GQS were chromium, iron, lead, manganese, and sodium. Chromium was detected in the unfiltered samples from SB-5/MW-5 (20 ppm) and SB-6/MW-6 (11.1 ppm), and only exceeded the GQS (50 ppm) in the duplicate sample from SB-6/MW-6 (55.3 ppm). Lead was detected exceeding the GQS of 25 ppm in all of the unfiltered samples, and ranged in concentration from 31.6 in SB-1/MW-1 to 148 ppm in the duplicate sample from SB-6/MW-6. Iron was also detected exceeding the GQS of 300 ppm in all of the unfiltered samples, and ranged in concentration from 2,440 ppm in SB-1/MW-1 to 40,600 ppm in SB-5/MW-5. Concentrations of manganese ranged from 380 ppm in the filtered sample from SB-6/MW-6 to 1,910 ppm in the unfiltered sample from SB-5/MW-5. Concentrations of sodium ranged from 15,200 ppm in the duplicate sample from SB-6/MW-6 to 136,000 ppm in the filtered sample from SB-1/MW-1. No other individual element or compound exceeded any of the respective GQS.

There were no detections of PCBs in any of the groundwater samples.

The hydrocarbon contamination in groundwater detected in the SB-5 location is attributable to the previous spills at the neighboring former Getty gasoline station property.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 6 through 9. Exceedences of applicable groundwater standards are shown.

5.4 Soil Vapor Chemistry

Four soil vapor samples were collected during the RI. The results are presented in Table 10 and are shown in Figure 7. All four soil vapor samples contained detections of chlorinated VOCs. PCE was detected in all four samples in concentrations ranging from 19 $\mu g/m^3$ in SV-5 to 1,400 $\mu g/m^3$ in SV-1.

TCE was detected in two samples (SV-1 and SV-5) at concentrations of 9.2 $\mu g/m^3$ and 0.39 $\mu g/m^3$ (estimated), respectively. TCE was not detected in SV-3 or SV-6.

Because there are no buildings on the Site, indoor air sampling was not possible.

Regulatory guidance on soil vapor and indoor air quality is presented in Matrix 1 and Matrix 2 from the NYSDOH Center for Environmental Health (CEH) Bureau of Environmental Exposure Investigation (BEEI) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Matrix 1 addresses TCE and carbon tetrachloride, and Matrix 2, covers PCE and 1,1,1 trichloroethane (1,1,1-TCA). The matrices establish the conditions that require a response (i.e., monitoring, mitigation, or source identification) based on an evaluation of indoor air concentrations and sub-slab vapor concentrations. The proposed redevelopment plans include a single- to two story slab-on-grade structure, to cover the entire lot. Based on the detected soil vapor concentrations, it is anticipated that a vapor barrier and subslab depressurization system will be required beneath the slab.

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

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 impediments to remedial action at this property.

APPENDIX B

Remedial Action Work Plans and Stipulation Letters

B-1. 5510 Broadway RAWP

B-2. 5510 Broadway Stipulation Letter

B-3. 5530 Broadway RAWP

B-4. 5530 Broadway Stipulation Letter

APPENDIX B-1

5510 Broadway RAWP

FORMER GETTY STATION
5510 BROADWAY
BRONX, NEW YORK

Remedial Action Work Plan

NYC VCP Site Number: 13CVCP105X
(if applicable) E-Designation Site Number: **Site Number**

Prepared for:

Equity One (Northeast Portfolio) Inc.
410 Park Avenue
New York, New York

Prepared by:

Remedial Engineering Inc./Roux Associates, Inc.
209 Shafter St. Islandia, New York
(631)-232-2600

JUNE 2013

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A. Getty Remedial Action Plan
B. Citizen Participation Plan
C. Sustainability Statement
D. Soil/Materials Management Plan
E. Construction Health and Safety Plan
F. Specifications for Sub-slab Depressurization System

PLATE

1. Proposed Active Sub-Slab Depressurization System

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional

Acronym	Definition
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Charles McGuckin, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the Former Getty Station-5510 Broadway, Bronx, New York. Site number.

I, Craig Werle am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the Former Getty Station-5510 Broadway, Bronx, New York Site. Site number. (Optional)

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill, and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Charles J. McGuckin, P.E.		
NYS Professional Engineer #069509	Date	Signature

Craig A. Werle, P.G.		
Qualified Environmental Professional Name	Date	Signature

EXECUTIVE SUMMARY

Equity One has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 5510 Broadway in the Kingsbridge section of the Bronx New York (the Site). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

Site Location and Current Usage

The Site is located at 5510 Broadway in the Kingsbridge section of the Bronx, New York and is identified as Block 3266 and Lot 21 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 7500 square feet and is bounded by a vacant lot to the north, West 230th Street to the south, a parking lot to the east, and Broadway to the west. A map of the site boundary is shown in Figure 2. The Site is a former Getty service station. Currently, the Site is not in use and contains a single, one-story building consisting of a former office and vehicle repair shop, and one overhead canopy. A shed behind the building houses an inactive former remediation system. The remaining portion of the lot is approximately 80% paved or covered with concrete. The exception is the northwest corner of the lot, where the three underground storage tanks were previously removed, which is unpaved and covered with gravel. All gasoline dispensers have been removed from the Site. Some overgrown vegetation is present along the northern fenceline.

Proposed Redevelopment Plan

The proposed future use of the Site has not been definitively determined; however, it will consist of the installation of impervious cover (i.e., a combination of building, parking lot, and hardscaping) over the entire site. Any potential development plan will have excavation limited to the upper four feet for installation of utilities. The current zoning designation is commercial

C4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use will be consistent with existing zoning for the property.

Description of Surrounding Property

To the west the property is bounded by Broadway, and the elevated Number 1 subway line. Further west, across Broadway, are residential properties including several apartment complexes, and Public School 207. To the east the property is bounded by a commercial parking lot operated by the City of New York. Further east is a railroad easement and the Major Deegan Expressway. To the north the property is bounded by a vacant lot. Further north is a demapped street (Kimberly Place) and retail/commercial spaces. To the south the property is bounded by West 230th Street. Across West 230th Street are commercial and light industrial buildings and the continuation of the railroad easement.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP citizen participation activities according to an approved Citizen Participation Plan (CPP) included in the RAWP as Appendix B.

2. Performance a Community Air Monitoring Program for particulates during excavation.

3. Establish Track 2 Soil Cleanup Objectives (SCOs).

4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

5. Excavation and removal of soil/fill for construction of slab-on-grade building. Excavation for utilities and footings will extend approximately 4 feet below grade.

6. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.

7. As part of construction, installation of an engineered composite cover consisting of a 6-inch mat-slab beneath the building and paved parking lot over the remainder of the site.

8. Installation of an active sub-slab depressurization system and vapor barrier system beneath the building slab.

9. Transportation and off-Site disposal of all soil/fill material excavated for construction purposes at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

10. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

11. Submission of a RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and if Track 2 SCOs are not achieved, describes all Engineering and Institutional Controls to be implemented at the Site.

12. Submission of a Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection, and certification of Engineering and Institutional Controls and reporting at a specified frequency.

13. Based on a Track 2 cleanup, the property will continue to be registered with an E-Designation by the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

The Office of Environmental Remediation created the New York City Voluntary Cleanup Program (NYC VCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities. This cleanup plan also includes many other elements that address common community concerns, such as community air monitoring, odor, dust, and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC VCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals, and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Health and Safety Plan (Appendix E) that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration. This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site safety coordinator to implement the Health and Safety Plan. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is Joe Gavin and can be reached at 631-232-2600.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust, and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and include steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager name and number (to be determined) or NYC Office of Environmental Remediation Project Manager Hannah Moore at 212-442-6372,

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation are Monday to Friday 7:00AM to 5:00 PM.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Brownfield Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager name at phone number (to be determined), the NYC Office of Environmental Remediation Project Manager Hannah Moore at 212-442-6372, or call 311 and mention the Site is in the NYC Brownfield Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State, and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors, and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State, and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping. Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document repositories located at the Bronx Library Center at 310 East Kingsbridge Rd, Bronx.

1.0 SITE BACKGROUND

Equity One has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 5510 Broadway in the Kingsbridge section of the Bronx New York (the Site). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Current usage

The Site is located at 5510 Broadway in the Kingsbridge section of the Bronx, New York and is identified as Block 3266 and Lot 21 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 750 square feet and is bounded by a vacant lot to the north, West 230th Street to the south, a parking lot to the east, and Broadway to the west. A map of the site boundary is shown in Figure 2. The Site is a former Getty service station. Currently, the Site is not in use and contains a single, one-story building consisting of a former office and vehicle repair shop, and one overhead canopy. A shed behind the building houses an inactive former remediation system. The remaining portion of the lot is approximately 80% paved or covered with concrete. The exception is the northwest corner of the lot, where the three underground storage tanks were previously removed, which is unpaved and covered with gravel. All gasoline dispensers have been removed from the Site. Some overgrown vegetation is present along the northern fenceline.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site has not been definitively determined; however, it will consist of the installation of impervious cover (i.e., a combination of building, parking lot, and hardscaping) over the entire site. Any potential development plan will have excavation limited to the upper four feet for installation of utilities and a sub-slab depressurization system. The current zoning designation is commercial C4-4, which allows for specialty and department stores, theatres

and other commercial and office uses. The proposed use will be consistent with existing zoning for the property.

1.3 Description of Surrounding Property

To the west the property is bounded by Broadway, and the elevated Number 1 subway line. Further west, across Broadway, are residential properties including several apartment complexes, and Public School 207. To the east the property is bounded by a NYC VCP redevelopment site. Further east is a railroad easement and the Major Deegan Expressway. To the north the property is bounded by a vacant lot. Further north is a demapped street (Kimberly Place) and retail/commercial spaces. To the south the property is bounded by West 230th Street. Across West 230th Street are commercial and light industrial buildings and the continuation of the railroad easement.

1.4 Remedial Investigation

A remedial investigation was performed and the results are documented in a companion document called "*Remedial Investigation Report, Former Getty Service Station*", dated November 2012 (RIR).

The Site was historically in use as a gasoline service station since at least 1950 with the existing building and canopy shown on the 1950 Sanborn Map in the same configuration as the present day. The prior available Sanborn Maps are from 1914 and 1900, and the property is shown to be vacant on both of these maps.

The Site has been inactive since at least 2009 when underground storage tank (UST) removals were performed at the Site as described in Section 2.2.

The AOCs identified for this site include:

1. The historic 550-gallon tank field in the southeastern portion of the Site
2. The historic 4,000-gallon UST area in the northwestern portion of the Site
3. Former gasoline dispensers on the west and south sides of the Site
4. A 550-gallon tank discovered during tank removal activities in 2009, which was left in place on the western side of the Site

Summary of the Work Performed under the Remedial Investigation

Equity One performed the following scope of work:

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

2. Installed eight soil borings across the entire project Site, and collected 16 soil samples for chemical analysis from the soil borings to evaluate soil quality

3. Collected eight groundwater samples from existing Site monitoring wells for chemical analysis to evaluate groundwater quality

4. Installed four soil vapor probes around Site perimeter and AOCs, and collected four samples for chemical analysis

Summary of Environmental Findings

1. Elevation of the property ranges from 18 to 19 feet above sea level.

2. Depth to groundwater ranges from 11 to13 feet below land surface (bls) at the Site.

3. Groundwater flow is generally from northwest to southeast beneath the Site.

4. Depth to bedrock is unknown as bedrock was not encountered during this RI or any of the previous investigations. Bedrock is at least 15 feet or greater below the surface.

5. The stratigraphy of the site, from the surface down to the maximum soil boring depth of 15 feet bls, consists of fill material underlain by fine sand with some silt and gravel. Fill material was used as backfill after the removal of several underground storage tanks from both the northwestern and southeastern corners of the Site.

6. Soil/fill samples collected during the RI showed VOC concentrations in soil samples ranging from non-detect to a maximum concentration of 260,000 ppb of total xylenes in SB-2. All soil sample results, however, were below Track 2 Commercial Soil Cleanup Objectives (SCOs). Benzene, toluene, ethylbenzene, and xylenes (BTEX) are the primary contaminants of concern in soil and groundwater. Chlorinated VOCs were detected in all of the soil samples; however, all detections were estimated values well below the Track 1 Unrestricted Use SCOs. Three metals (copper, lead, and zinc) exceed the Track 1 Unrestricted Use SCOs, and none of these exceed the Track 2 Commercial SCOs. One pesticide was detected at a very low level (4,4'-DDE at an estimated concentration of 3.8 ppb in SB-5), which exceeds the Track 1 Unrestricted Use SCO, but is below the Track 2 Commercial SCO. No SVOCs or PCBs were detected in any of the soil samples. In general, these soil sample results are consistent with historical samples collected at the Site and typical of sites with known petroleum releases. These results do not indicate any on-Site source of chlorinated VOCs.

7. Groundwater samples collected during the RI showed no pesticides or PCBs in any groundwater samples. Several VOCs were identified in groundwater, primarily petroleum

hydrocarbons, with the maximum concentration being 2,500 ppb of benzene in MW-9. Although chlorinated hydrocarbons were detected in three wells, all detections were below the Part 703.5 Class GA groundwater quality standards (GQS), and all were found at estimated concentrations below 1 ppb. SVOCs were only detected in two wells (naphthalene in MW-9 and MW-2 and phenol in MW-9). In general, these groundwater sample results are consistent with historical samples collected at the Site and typical of sites with known petroleum releases. These results do not indicate any on-Site source of chlorinated VOCs.

8. Soil vapor samples collected during the RI showed a variety of VOCs, including petroleum hydrocarbons and chlorinated VOCs. Concentrations of petroleum hydrocarbons were generally low to moderate with a maximum concentration of 40,000 $\mu g/m^3$ of isooctane in SV-2. PCE was detected in three of the four samples, and ranged in concentration from 75 µg/m3 to 1,400 $\mu g/m^3$. TCE was only detected in one sample (SV-2) at a concentration of 1,100 $\mu g/m^3$. In general, these soil vapor sample results are consistent with historical samples collected at the Site and consistent with sample results from sites with known petroleum releases. The chlorinated VOCs are attributable to an offsite source, since soil and groundwater sample results did not indicate an onsite source for them.

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

Getty Soil Remediation

The NYSDEC-approved RAWP that was submitted by Getty in September 2012 for the 5510 Broadway site is presented in Appendix A. The RAWP was implemented in April 2013. Approximately 1,000 cubic yards of impacted soil was removed and disposed of offsite. The post-excavation samples that were collected document residual soil quality remaining at the site. Based on the post-excavation sampling results, the remedial excavation was successful in removing all soil surrounding the former 4,000 gallon USTs that exceeds Track 2 standards.

Supplemental Remedial Investigation

Roux Associates conducted a supplemental remedial investigation (RI) on May 20 to 22, 2013. The supplemental RI was conducted after the soil excavation component of the NYSDEC-approved Getty RAWP had been completed. The objective of the supplemental RI was to evaluate soil quality in areas that were previously considered to be inaccessible and were not included in the Getty remedial excavation. This includes the areas beneath the service bays and the office of

the service station building and beneath the station canopy. A total of 7 borings, were installed including three in the service bays (SB-9, 10 and 11), two in the office (SB-12 and 13) and one beneath the canopy (SB-14). The locations are shown on Figure 3.

All borings were advanced to the water table at an approximate depth of 15 feet. Soil from each boring was continuously screened in the field with a PID and visually inspected for indications of hydrocarbon impacts. At each boring, a sample was collected for VOC and SVOC analysis from the 4 foot to 6 foot interval to evaluate the zone that will be the base of the excavation when the site is redeveloped. Two additional samples were collected from borings SB-10 and SB-14, immediately above the water table where PID readings indicated the presence of impacts. To evaluate groundwater quality in the center of the Tyree excavation area, a temporary well was installed near the former location of MW-9. Soil and groundwater samples were analyzed for VOCs and SVOCs. The results are presented in Tables 1 through 4 and shown on Figure 3.

Soil results confirmed what was observed in the field: soils above 12 feet were free of impacts. All soil sample results from the 4 to 6 foot interval meet NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs). The sample from the rear of the service bay from 13 to 15 feet that was expected to have some contamination also met Unrestricted Use standards. The sample from 14 to 15 feet from SB-14 under the canopy had total xylenes of 8230 ppb that exceeds Unrestricted Use SCOs but not Restricted Commercial SCOs. These results indicate that contaminated soils are not present under the former Getty station building and that during site redevelopment, it is unlikely that Equity One will encounter impacted soils that would require expansion of the planned excavation.

The groundwater sample collected from temporary well RMW-9 detected elevated concentrations of gasoline related hydrocarbon compounds. The total concentration of benzene, toluene, ethyl benzene, and xylene (BTEX) was 11,660 ppb.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

2.1 Groundwater

- Monitor groundwater improvement in response to contaminant source removal and/or treatment. .
- Prevent off-Site migration of contaminated groundwater above applicable groundwater standards.

2.2 Soil

- Prevent direct contact with contaminated soil..

2.3 Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process under is to select a remedy that is protective of human health and the environment taking into consideration the current, intended, and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in exceedance of applicable standards, criteria, and guidance values (SCGs). A remedy is then developed based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community acceptance;
- Land use; and
- Sustainability

The following is a detailed description of the alternatives analysis and remedy selection to address impacted media at the Site. As required, a minimum of two remedial alternatives (Alternative 1 and Alternative 2) are considered for alternatives analysis for this site:

Alternative 1 involves:

- Establishment of Unrestricted Use (Track 1) SCOs.
- Removal of all soil/fill exceeding Track 1 SCOs throughout the Site and confirmation that Track 1 SCOs have been achieved with post-excavation endpoint sampling. Additional excavation for development purposes would take place to a depth of approximately three to four feet below grade. To achieve Track 1 SCOS would require excavation down to the groundwater table at various locations. Based on the results of the remedial investigation, it is expected that alternative would achieve Track 1 SCOs.

- No engineering or institutional controls are required in a Track 1 cleanup. As part of new construction, a vapor barrier beneath the foundation slab would be installed to prevent exposures from off-Site soil vapor or groundwater.

Alternative 2 involves:

- Establishment of Track 2 SCOs.
- Removal of all soils exceeding Track 2 SCOs and confirmation that Track 2 has been achieved with post-excavation endpoint sampling. Excavation for development purposes would take place to a depth of approximately four feet below grade. Based on samples collected in the RIR and supplemental RI, it is anticipated that excavations during development would be sufficient to achieve Track 2 SCOs;
- Placement of a vapor barrier beneath the foundation slab and along foundation side walls up to grade;
- Installation and operation of active sub-slab depressurization system;
- Placement of a final cover over the entire site to eliminate exposure to remaining soil/fill;
- Establishment of use restrictions including prohibitions on the use of groundwater from the site and prohibitions on other sensitive site uses, such as farming or vegetable gardening, to eliminate future exposure pathways;
- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these engineering and institutional controls, including the performance of periodic inspections and certification that the controls are performing as they were intended; and
- The property will continue to be registered with an E-Designation by the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in the RAWP and a requirement that management of these controls would be in compliance with an approved SMP. Institutional Controls would include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

3.1 Threshold Criteria

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering

Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing additional impacted soil at the Site, thus eliminating the potential for human and environmental exposure to contaminated soil/fill once construction is complete and eliminating the risk of contamination leaching into groundwater. There is minimal potential for contact with contaminated groundwater as it is not used for potable purposes. Potential exposure from off-site soil vapors would be addressed by installing a vapor barrier beneath the foundation slab of the new building as part of development.

Alternative 2 would achieve comparable protection of human health and the environment by excavating and removing soil/fill above Track 2 SCOs, as well as by employing institutional and engineering controls, including a composite cover system, a vapor barrier and a sub-slab depressurization system. The composite cover system would prevent direct contact with any remaining on-Site soil/fill. Implementing institutional controls including a deed notice and a Site Management Plan would ensure that the composite cover system remains intact and protective. Establishment of Track 2 Site-Specific SCOs would minimize the risk of contamination leaching into groundwater. Potential exposure to contaminated soils during construction would be minimized by implementing an approved Soil/Materials Management Plan (SMMP) and Community Air Monitoring Plan (CAMP). Potential contact with contaminated groundwater would be prevented as use for potable purposes is prohibited by city laws and regulations. Potential post-remediation exposure to soil vapors would be addressed by installing a vapor barrier beneath the foundation slab and outside foundation walls and installing/operating a sub-slab depressurization system.

3.2 Balancing Criteria

Compliance with Standards, Criteria and Guidance (SCGs)

Both Alternative 1 and 2 have similar-short term effectiveness during their respective implementations, as each requires excavation of historic fill material. Alternatives 1 and 2 would both employ appropriate measures to prevent short term impacts, including a CAMP and a SMMP, during all on-Site soil disturbance activities and would effectively prevent the release of

significant contaminants into the environment. Both alternatives provide short term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a Health and Safety Plan (CHASP) will be protected from on-Site contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Alternative 1 will achieve compliance with the remedial goals, SCGs and RAOs for soil through establishment of Track 1 Unrestricted Use SCOs. Compliance with SCGs for soil vapor will also be achieved by installation of vapor barrier as part of construction.

Alternative 2 would achieve compliance with remedial goals, SCGs, and RAOs for soil through the removal of soil/fill to Track 2 SCOs and groundwater protection standards and capping the Site with a composite cover. Compliance with SCGs for soil vapor would be achieved by installing a vapor barrier below the new buildings foundation slab. A site management plan would ensure that these engineering controls remain protective for the long term.

For both alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with the applicable SCGs.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Alternative 1 and 2 have similar-short term effectiveness during their respective implementations, as each requires excavation of impacted material. Alternative 1 and 2 would both employ appropriate measures to prevent short term impacts, including a CAMP and a SMMP, during all on-Site soil disturbance activities and would effectively prevent the release of significant

contaminants into the environment. Both alternatives provide short term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a Health and Safety Plan (CHASP) will be protected from on-Site contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs/ICs that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of Engineering Controls.

Alternative 1 would achieve long-term effectiveness and permanence related to on-site contamination by permanently removing all impacted soils and enabling unrestricted usage of the property.

Alternative 2 would provide long-term effectiveness by removing most on-site contamination and attaining Track 2 SCOs, establishing engineering controls including a vapor barrier, operation of an active sub-slab depressurization system and a composite cover system across the entire site, establishing institutional controls to ensure long-term management including use restrictions, a Site Management Plan, and placement of a deed restriction to memorialize these controls for the long term. The Site Management Plan will ensure long-term effectiveness of all engineering controls and institutional controls by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as they were intended to and assuring that protections designed in the remedy will provide continued high levels of protection, in perpetuity.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 would permanently eliminate the toxicity, mobility, and volume of contaminants from on-site soil by removing all soil in excess of unrestricted use SCOs.

Alternative 2 would permanently eliminate most of the toxicity, mobility, and volume of contaminants from on-site soil by removing soil in excess of Track 2 SCOs, and remaining soil/fill would meet Track 2 site specific SCOs. The remainder of the site will be capped to permanently eliminate exposures and associated toxicity.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g., obtaining permits for remedial activities), and availability of services and materials.

Both Alternatives are feasible and implementable. The techniques, materials and equipment to implement Alternative 1 and 2 are readily available and have been proven effective in remediating the contaminants associated with the Site. They use standard materials, services, and well-established technology. The reliability of these remedies is also high. There are no specific difficulties associated with any of the activities proposed, which utilize standard/industry methods.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Initial costs associated with both Alternative 1 are significantly higher than Alternative 2 because additional excavation (including sheeting and shoring) and off-Site disposal would be required. Long-term costs for Alternative 2 include the costs for operation of the subslab depressurization system and long term implementation of a Site Management Plan however total costs for Alternative 1 would still be higher.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Based on the overall goals of the remedial program and initial observations by the project team, both of the alternatives are expected to be acceptable to the community. This RAWP will be subject to a public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedial action. This public comment related to site remediation will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Appendix B.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources,

potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

Both alternatives provide protection of public health and the environment for the proposed use of the Site. Remedial action for both alternatives is beneficial to the surrounding community and is consistent with the goals of the City for remediating and redeveloping brownfield sites.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

Both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action.

4.0 REMEDIAL ACTION

4.1 Summary of Preferred Remedial Action

The preferred remedial action alternative is Alternative 2. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and implementation of a Citizen Participation Plan (Appendix B).

2. Perform a Community Air Monitoring Program for particulates and volatile organic carbon compounds.

3. Establish Track 2 Soil Cleanup Objectives (SCOs). Excavation and removal of soil required for construction to a depth of 4 feet that includes soil exceeding SCOs.

4. Collection and analysis of two end-point samples to determine the performance of the remedy with respect to attainment of SCOs.

5. Construction and maintenance of an engineered composite cover consisting of a building slab and surrounding asphalt parking lot. to prevent human exposure to residual soil/fill remaining under the Site;

6. Installation of a vapor barrier system beneath the building slab.

7. Installation and operation of an active sub-slab depressurization system.

If material needs to be imported for backfill and cover during construction, it will be done in compliance with this plan and in accordance with applicable laws and regulations.

8. Transportation and off-Site disposal of all soil at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

9. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.

10. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

11. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

12. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

13. Submission of a RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.

14. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

15. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and a requirement that management of these controls must be in compliance with an approved SMP; and Institutional Controls including prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 Soil Cleanup Objectives and Soil/Fill management

Track 2 Soil Cleanup Objectives (SCOs) are proposed for this project. The SCOs for this Site are listed in Tables 1 and 2. Soil and materials management on-Site and off-Site, including excavation, handling, and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix D. Discrete contaminant sources (such as hotspots) are not expected to be encountered during construction. If any are found, however, during the remedial action, they will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is cannot be definitively estimated at this time. Based on a hypothetical excavation area of 7,500 square feet that extends to a depth of four feet, it is expected that approximately 1,670 tons of soil would be

excavated and disposed of offsite. Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

End-Point Sampling

Removal actions under this plan will be performed in conjunction with remedial end-point sampling. End-point sampling frequency will consist of the following:

1. For excavations 20 to 300 feet in perimeter:
   - For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
   - For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
2. For sampling of volatile organics, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.
3. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 1-3 above.

Post-remediation sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State ELAP certified labs will be used for all end-point sample analyses. Labs for end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples will be analyzed for trigger analytes (those for which SCO exceedance are identified) utilizing the following methodology:

Soil analytical methods will include:

- Volatile organic compounds by EPA Method 8260
- Semivolatile organic compounds by EPA Method 8270

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and "finger print analysis" and required regulatory reporting (i.e., spills hotline) will be performed.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix D. At this time, no soil is expected to be imported onto the Site for backfill or cover soil. No onsite soil/fill is expected to be reused/relocated on Site.

4.3 Engineering Controls

Engineering Controls will be employed in the remedial action to address residual contamination remaining at the site. The Site has three primary Engineering Control Systems. These are:

- composite cover system consisting of asphalt covered roads, concrete covered sidewalks, and concrete building slabs;
- soil vapor barrier;
- sub-slab depressurization system;

Composite Cover System

- Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system is comprised of:concrete covered sidewalks;
- parking lot
- concrete building slabs.

The proposed future use of the Site has not been definitively determined; however, it will consist of the installation of impervious cover (i.e., a combination of building, parking lot, and hardscaping) over the entire site. Details on each type of remedial cover will be submitted when the design is complete.

The composite cover system is a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

Vapor Barrier

A vapor barrier will be installed as part of the site development. A vapor barrier system consisting of a 20-mil geomembrane or its equivalent will be installed beneath the building slab and up the sidewalls according to manufacturer specifications. The Remedial Closure Report will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturers certificate of warranty. A detailed description including manufacturer's specifications will be submitted as part of the building design.

Sub-slab depressurization

Migration of soil vapor will be mitigated with the construction of an active sub-slab depressurization system (SSDS). The SSDS will be incorporated into the design of the building and will be installed during construction. The SSDS will consist of 4-inch diameter perforated piping installed in gravel trenches beneath the concrete slab in a looped system around the interior edge of the building perimeter. The gravel trenches will be wrapped with a 7-ounce non-woven geo-textile fabric to prevent entry of fines into the piping. The perforated piping will be connected to a 6-inch diameter riser that will extend internally to the roof. The riser pipe will be connected to a 2-horsepower regenerative blower mounted on the roof. The blower cut sheet is provided in Appendix F. The configuration of a generic SSDS for the site is shown in Plate 1. The design is based on a building that occupies the entire site in accordance with zoning rules. Modifications will be made to the SSDS layout when the building design is completed.

The SSDS will be tested at startup to demonstrate that the system is performing adequately as designed. To simplify the verification of proper system operation, a low vacuum switch (with manual reset) will be installed on the blower inlet to provide warning if a low vacuum situation

were to occur. A warning light will be installed in the interior space of the proposed building (i.e., manager's office). Should a low vacuum situation occur, the warning light will turn on to notify the appropriate personnel.

SSDS Operation and Monitoring

Operation and monitoring (O&M) of the proposed SSDS will consist of the monitoring of the operation of the depressurization system blower and monitoring of the depressurization system vacuum at the blower inlet and at the sub-slab soil vapor monitoring points. In addition, upon startup, an air sample will be collected from the exhaust of the depressurization system for analysis using USEPA method TO-15. The air test results will be used to perform a Division of Air Resources (DAR-1) analysis to estimate emissions. Emission levels based on the DAR-1 analysis will be compared to annual guidance concentrations and short term guidance concentrations to determine whether or not air emission control is required. The effluent of the blower and/or vapor phase treatment (if needed) will also be monitored using a photoionization detector (PID) during each O&M visit.

Vapor IntrusionMonitoring

To evaluate operation of the SSDS and whether its continued operation is needed, semi annual vapor intrusion monitoring is proposed for the first two years of operation. The monitoring program will consist of sampling sub-slab soil vapor and indoor air. As shown on Plate 1, two sub-slab soil vapor monitoring points will be installed within the proposed building footprint. The soil vapor monitoring points will be sampled using six-liter SUMMA canisters fitted with eight-hour flow controllers and an in-line filter will be affixed to the soil vapor point tubing. Prior to collection of the samples, the vapor points will be purged of a minimum of one well volume. A tracer gas (i.e., laboratory grade helium) will be used to enrich the atmosphere in the immediate vicinity of the sampling location in order to test the efficacy of the seal and verify that ambient air is not being drawn into the sample. Following purging and verification with the tracer gas, the soil vapor sample will be directed to the laboratory supplied six-liter SUMMA canister. Upon opening the SUMMA canister valve, the vacuum present within the canister will extract the soil vapor from the subsurface into the canister. Based on a volume of six liters and a sample time of eight hours, soil vapor will be extracted at a flow rate of approximately 0.01 liters per minute.

Two indoor air quality samples will be collected concurrent with the sub-slab vapor samples and in accordance with procedures specified by NYSDOH guidance. The active SSDS will be shut down two weeks prior to air sample collection. The air sample collection will include the use of six liter, lab-certified clean, SUMMA canisters fitted with an eight-hour flow controller. The canister will be placed four to five feet above the ground in the normal breathing zone.

Following collection of the soil vapor and indoor air quality samples, the samples will be shipped following proper chain-of-custody procedures to an NYSDEC approved laboratory for analysis of VOCs in accordance with EPA Method TO-15.

Schedule

The indoor air and sub-slab vapor monitoring point sampling will be conducted on a semi-annual basis. The results of the air sampling will be compared to the guidance values in Matrices 1 (TCE) and 2 (PCE) of the NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. If, after two consecutive soil vapor sampling rounds, the sub-slab vapor and indoor air sampling indicates that no further action or monitoring is needed, the active SSDS will be shutdown in accordance with all provisions of Section 4.5 of NYSDOH Guidance.

4.4 Institutional Controls

Institutional Controls (IC) have been incorporated in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Institutional Controls are listed below. Long-term employment of EC/ICs will be established in a Declaration of Covenant and Restrictions (DCR) assigned to the property by the title holder and will be implemented under a site-specific Site Management Plan (SMP) that will be included in the RAR.

Institutional Controls for this remedial action are:

- Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the City Register or county clerk, as appropriate. The DCR will include a description of all ECs and ICs, will summarize the requirements of the Site Management Plan, and will note that the property owner and property owner's successors and assigns must comply with the DCR and the approved SMP. The recorded DCR will be submitted in the Remedial Action Report. The DCR will be recorded prior to OER issuance of the Notice of Completion;

- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted every five years and will comply with RCNY §43-1407(l)(3).

- Vegetable gardens and farming on the Site are prohibited;

- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;

- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;

- The Site will be used for commercial use and will not be used for a higher level of use without prior approval by OER.

4.5 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by the DCR and this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the DCR and the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Brownfield Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by March 31 of the year following the reporting period.

4.6 Qualitative Human Health Exposure Assessment

Investigations reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA).

The objective of the qualitative exposure assessment is to identify potential receptors to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

As part of the VCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This EA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Sources

Historic releases of gasoline from service station USTs were the onsite source of contamination. Based on the results of the RIR, the contaminants of concern are:

Soil - Soil was contaminated with gasoline, including the primary constituents, benzene, toluene, ethyl benzene, and xylene (BTEX). The remedial soil excavations conducted by Getty in 2009 and 2013 have successfully removed all soil contamination surrounding the former USTs that exceeded Track 2 restricted commercial cleanup SCOs. The supplemental RI documented that the soil remaining beneath the building and the canopy meets Track 2 SCOs down to just above the water table. Soil is, therefore, no longer considered a source at the site.

Groundwater - BTEX and other hydrocarbon compounds are found in groundwater.

Soil vapor - Soil vapor samples contained detections of both petroleum-related VOCs and chlorinated VOCs. Tetrachloroethene (PCE) was detected in three of the four soil vapor samples in concentrations ranging from 75 $\mu g/m^3$ in SV-4 to 1,400 $\mu g/m^3$ in SV-3. Trichloroethene (TCE) was detected in one soil vapor sample (SV-2) at a concentration of 1,100 $\mu g/m^3$. 1,1,1-Trichloroethane (1,1,1-TCA) was detected in one soil vapor sample (SV-3) at a concentration of 10 $\mu g/m^3$. The source of the chlorinated VOCs has been determined to be offsite based on the lack of any onsite detections of these compounds in soil.

Nature, Extent, Fate and Transport of Contaminants

Soils at the site currently meet Track 2 SCOs based on discussions with Tyree concerning the post excavation results from the April 2013 Getty remedial excavation.

A limited area near the former 4,000 gallon USTs has VOCs in groundwater from residual hydrocarbon contamination at and below the water table. VOCs are present above the groundwater quality standards.

The chlorinated VOCs that were identified in soil vapor at the Site were not found in any on-Site soil samples.

Potential Routes of Exposure

The five elements of an exposure pathway are: (1) a contaminant source; (2) contaminant release and transport mechanisms; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population. An exposure pathway is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future. Three potential primary routes exist by which chemicals can enter the body:

- Ingestion of water, fill, or soil;
- Inhalation of vapors and particulates; and

- Dermal contact with water, fill, soil, or building materials.

Existence of Human Health Exposure

Current Conditions:

The Site is currently capped with a concrete building slab, paved surfaces, and gravel covering clean fill, which limit potential points of contact with soil/fill. Groundwater is not used at the Site. Potential exposure pathways include ingestion and dermal contact with soil/fill. There is limited potential for contaminated soil vapors to accumulate, as the service station currently on site is vacant and permanently out of service since all USTs have been removed. Access to the site is currently controlled by the use of a construction security fence.

Construction/Remediation Activities:

The potential exposure pathways to onsite contamination are by ingestion, dermal, or inhalation exposure by onsite workers during the remedial action and offsite due to emission of fugitive dust. During the remedial action, on-site and offsite exposure pathways will be minimized by preventing access to the site, through implementation of soil/materials management, dust controls, PPE (if needed), and a CHASP.

Proposed Future Conditions:

Once the remedial actions and redevelopment of the Site has been completed, there will be no potential on-Site or off-Site exposure pathways. All remaining soil will meet Track 2 Restricted Commercial SCOs, groundwater will not be exposed or used, and any exposures to vapors from off-site sources will be prevented by installation of a vapor barrier, building slab and an active sub-slab depressurization system. The site is served by a public water supply. There are no plausible off-site pathways for ingestion, inhalation, or dermal exposure to contaminants derived from the site.

Receptor Populations

On-Site Receptors:

During construction, onsite receptors will include construction worker and visitors. After construction, onsite receptors will include workers and patrons of the retail establishment.

Off-Site Receptors:

Potential off-site receptors within a 0.25-mile radius of the Site include: adult and child residents, and commercial and construction workers, pedestrians, trespassers, and cyclists, based on the following:

1. Commercial Businesses – existing and future
2. Residential Buildings – existing and future
3. Building Construction/Renovation – existing and future
4. Pedestrians, Trespassers, Cyclists– existing and future
5. Schools– existing and future.

Overall Human Health Exposure Assessment

Complete on-site exposure pathways appear to be present only during the construction and remediation phase. Under current conditions, on-site exposure pathways are limited by preventing access to the site and limiting site activity.

During the remedial action, on-site exposure pathways will be limited by preventing access to the site, through implementation of soil/materials management and dust controls, community air monitoring, stormwater management controls and health and safety implementation.

After the remedial action is complete, there will be no remaining exposure pathways. The removal of soil in excess of Track 2 SCOs and, as part of development, installation of a vapor barrier, sub-slab depressurization system, and composite cover will interrupt any remaining exposure pathways.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include:

- Michael Berfield – Executive Vice President- Equity One (Northeast Portfolio) Inc.
- Craig Werle, P.G. – Principal Hydrogeologist- Roux Associates, Inc.
- Wendy Monterosso – Project Manager - Roux Associates, Inc.
- Glenn Netuschil, P.E. – Senior Engineer - Roux Associates, Inc.

The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are:

- Charles McGuckin, P.E., Remedial Engineering
- Craig A. Werle, P.G., Roux Associates, Inc.

5.2 Site Security

Site access will be controlled by a gated entrance to the completely fenced property.

5.3 Work Hours

The hours for operation of remedial construction will be from 7:00 AM to 5:00 PM. These hours conform to the New York City Department of Buildings construction code requirements.

5.4 Construction Health and Safety Plan

The Health and Safety Plan is included in Appendix E. The Site Safety Coordinator will be Joseph Gavin. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include

groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedances of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter

less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 Agency Approvals

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 Site Preparation

5.7.1 Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

5.7.2 Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

5.7.3 Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

5.7.4 Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

5.7.5 Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

5.7.6 Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the NYC BCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be

removed. Brooms, shovels, and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

5.8 Traffic Control

Drivers of trucks leaving the NYC BCP Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is as follows: (1) leave site and turn east on West 230 Street; (2) turn right and take the Major Deegan Expressway south; 3) go west on Cross Bronx Expressway and cross George Washington Bridge.

5.9 Demobilization

Demobilization will include:

- as necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- equipment decontamination, and;
- general refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 Reporting and Record Keeping

5.10.1 Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;

- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

5.10.2 Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e., jpeg files).

5.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 Deviations from the Remedial Action Work Plan

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action and DUSR;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material;
- Account of the origin and required chemical quality testing for material imported onto the Site;
- Recorded Declaration of Covenants and Restrictions; and
- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, _____, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the Site name Site, Site number.

I, _____, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the Site name Site Site number . (Optional)

I certify that the OER-approved Remedial Action Work Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a six-month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	1 week	1
Construction Excavation	1 week	1
Construct Sub-slab Depressurization System/Install Vapor Barrier	3 weeks	3
Record Declaration of Covenants and Restrictions	24 weeks	1
Submit Remedial Action Report	24 weeks	2

TABLES

1. Summary of Volatile Organic Compounds in Soil
2. Summary of Semivolatile Organic Compounds in Soil
3. Summary of Volatile Organic Compounds in Groundwater
4. Summary of Semivolatile Organic Compounds in Groundwater

Table 1. Summary of Volatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-9 5/20/2013 4 - 6	SB-10 5/20/2013 4 - 6	SB-10 5/20/2013 13 - 15	SB-11 5/20/2013 4 - 6	SB-12 5/20/2013 4 - 6
1,1,1-Trichloroethane	680	500000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	270	240000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	330	500000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	1100	500000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	20	30000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	2400	280000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	1800	130000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
1,4-Dioxane	100	130000		52 U	53 U	51 U	50 U	52 U
2-Butanone (MEK)	120	500000		10 U	11 U	10 U	10 U	10 U
2-Hexanone	--	--		10 U	11 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	--	--		10 U	11 U	10 U	10 U	10 U
Acetone	50	500000		10 U	11 U	10 U	10 U	4.1 J
Benzene	60	44000		1.0 U	1.1 U	19	1.0 U	1.0 U
Bromochloromethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Bromoform	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Bromomethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	760	22000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	1100	500000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Chloroethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Chloroform	370	350000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Chloromethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	250	500000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Cyclohexane	--	--		1.0 U	1.1 U	4.5	1.0 U	1.0 U

Table 1. Summary of Volatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

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Dibromochloromethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Dibromochloropropane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1000	390000		1.0 U	1.1 U	11	1.0 U	1.0 U
Freon 113	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	--	--		1.0 U	1.1 U	3.8	1.0 U	1.0 U
m+p-Xylene	--	--		2.1 U	2.1 U	45	2.0 U	2.1 U
Methyl acetate	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	--	--		1.0 U	1.1 U	7.5	1.0 U	1.0 U
Methylene chloride	50	500000		4.7	3.2	5.9	1.0 U	2.5
MTBE	930	500000		1.0 U	1.1 U	0.77 J	1.0 U	1.0 U
o-Xylene	--	--		1.0 U	1.1 U	7.3	1.0 U	1.0 U
Styrene	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	1300	150000		1.4	0.30 J	1.1	0.52 J	1.0 U
Toluene	700	500000		0.57 BJ	0.59 BJ	4.2 B	0.19 BJ	0.59 BJ
trans-1,2-Dichloroethene	190	500000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Trichloroethene	470	200000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	--	--		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	20	13000		1.0 U	1.1 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	260	500000		2.1 U	2.1 U	52.3	2.0 U	2.1 U
				6.67	4.09	162.37	0.71	7.19

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
B - The analyte was found in an associated blank as well as in the sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
-- No NYSDEC Part 375 Standards available

Table 1. Summary of Volatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-13 5/20/2013 4 - 6	SB-13 DUP 5/20/2013 4 - 6	SB-14 5/20/2013 4 - 6	SB-14 5/20/2013 14 - 15
1,1,1-Trichloroethane	680	500000		1.1 U	1.0 U	1.1 U	99 U
1,1,2,2-Tetrachloroethane	--	--		1.1 U	1.0 U	1.1 U	99 U
1,1,2-Trichloroethane	--	--		1.1 U	1.0 U	1.1 U	99 U
1,1-Dichloroethane	270	240000		1.1 U	1.0 U	1.1 U	99 U
1,1-Dichloroethene	330	500000		1.1 U	1.0 U	1.1 U	99 U
1,2,3-Trichlorobenzene	--	--		1.1 U	1.0 U	1.1 U	99 U
1,2,4-Trichlorobenzene	--	--		1.1 U	1.0 U	1.1 U	99 U
1,2-Dibromoethane	--	--		1.1 U	1.0 U	1.1 U	99 U
1,2-Dichlorobenzene	1100	500000		1.1 U	1.0 U	1.1 U	99 U
1,2-Dichloroethane	20	30000		1.1 U	1.0 U	1.1 U	99 U
1,2-Dichloropropane	--	--		1.1 U	1.0 U	1.1 U	99 U
1,3-Dichlorobenzene	2400	280000		1.1 U	1.0 U	1.1 U	99 U
1,4-Dichlorobenzene	1800	130000		1.1 U	1.0 U	1.1 U	99 U
1,4-Dioxane	100	130000		54 U	52 U	54 U	5000 U
2-Butanone (MEK)	120	500000		11 U	10 U	11 U	500 U
2-Hexanone	--	--		11 U	10 U	11 U	500 U
4-Methyl-2-pentanone (MIBK)	--	--		11 U	10 U	11 U	500 U
Acetone	50	500000		2.6 J	4.1 J	2.0 J	500 U
Benzene	60	44000		1.1 U	1.0 U	0.49 J	99 U
Bromochloromethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Bromodichloromethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Bromoform	--	--		1.1 U	1.0 U	1.1 U	99 U
Bromomethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Carbon disulfide	--	--		1.1 U	1.0 U	1.1 U	99 U
Carbon tetrachloride	760	22000		1.1 U	1.0 U	1.1 U	99 U
Chlorobenzene	1100	500000		1.1 U	1.0 U	1.1 U	99 U
Chloroethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Chloroform	370	350000		1.1 U	0.28 J	1.1 U	99 U
Chloromethane	--	--		1.1 U	1.0 U	1.1 U	99 U
cis-1,2-Dichloroethene	250	500000		1.1 U	1.0 U	1.1 U	99 U
cis-1,3-Dichloropropene	--	--		1.1 U	1.0 U	1.1 U	99 U
Cyclohexane	--	--		1.1 U	1.0 U	1.1 U	99 U

Table 1. Summary of Volatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-13 5/20/2013 4 - 6	SB-13 DUP 5/20/2013 4 - 6	SB-14 5/20/2013 4 - 6	SB-14 5/20/2013 14 - 15
Dibromochloromethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Dibromochloropropane	--	--		1.1 U	1.0 U	1.1 U	99 U
Dichlorodifluoromethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Ethylbenzene	1000	390000		1.1 U	1.0 U	0.21 J	300
Freon 113	--	--		1.1 U	1.0 U	1.1 U	99 U
Isopropylbenzene	--	--		1.1 U	1.0 U	1.1 U	200
m+p-Xylene	--	--		2.1 U	2.1 U	2.1 U	8100
Methyl acetate	--	--		1.1 U	1.0 U	1.1 U	200 U
Methylcyclohexane	--	--		1.1 U	1.0 U	1.1 U	250
Methylene chloride	50	500000		7.1	3.5	9	99 U
MTBE	930	500000		1.1 U	1.0 U	1.1 U	99 U
o-Xylene	--	--		1.1 U	1.0 U	1.1 U	130
Styrene	--	--		1.1 U	1.0 U	1.1 U	99 U
Tetrachloroethene	1300	150000		0.30 J	0.34 J	1.1 U	99 U
Toluene	700	500000		0.38 BJ	0.31 BJ	0.96 BJ	99 U
trans-1,2-Dichloroethene	190	500000		1.1 U	1.0 U	1.1 U	99 U
trans-1,3-Dichloropropene	--	--		1.1 U	1.0 U	1.1 U	99 U
Trichloroethene	470	200000		1.1 U	1.0 U	1.1 U	99 U
Trichlorofluoromethane	--	--		1.1 U	1.0 U	1.1 U	99 U
Vinyl chloride	20	13000		1.1 U	1.0 U	1.1 U	99 U
Xylenes (total)	260	500000		2.1 U	2.1 U	2.1 U	**8230**
				10.38	8.53	12.66	17210

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
B - The analyte was found in an associated blank as well as in the sample
µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
NYSDEC - New York State Department of Environmental Conservation
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards
-- No NYSDEC Part 375 Standards available

Table 2. Summary of Semivolatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-9 5/20/2013 4-6	SB-10 5/20/2013 4-6	SB-10 5/20/2013 13-15	SB-11 5/20/2013 4-6	SB-12 5/20/2013 4-6
1,1'-Biphenyl	--	--		48 U	48 U	52 U	49 U	49 U
1,2,4,5-Tetrachlorobenzene	--	--		48 U	48 U	52 U	49 U	50 U
2,2'-oxybis (1-chloropropane)	--	--		40 U	39 U	43 U	40 U	41 U
2,3,4,6-Tetrachlorophenol	--	--		47 U *	46 U *	51 U	47 U *	48 U *
2,4,5-Trichlorophenol	--	--		46 U	46 U	50 U	47 U	48 U
2,4,6-Trichlorophenol	--	--		42 U	42 U	45 U	43 U	43 U
2,4-Dichlorophenol	--	--		52 U	52 U	57 U	53 U	54 U
2,4-Dimethylphenol	--	--		88 U	88 U	96 U	90 U	91 U
2,4-Dinitrophenol	--	--		200 U	200 U	220 U	210 U	210 U
2,4-Dinitrotoluene	--	--		12 U	12 U	13 U	12 U	12 U
2,6-Dinitrotoluene	--	--		11 U	11 U	12 U	11 U	11 U
2-Chloronaphthalene	--	--		40 U	40 U	43 U	41 U	41 U
2-Chlorophenol	--	--		47 U	47 U	51 U	48 U	49 U
2-Methylnaphthalene	--	--		46 U	46 U	50 U	47 U	47 U
2-Methylphenol	330	500000		61 U	61 U	66 U	62 U	63 U
2-Nitroaniline	--	--		150 U	150 U	160 U	150 U	150 U
2-Nitrophenol	--	--		40 U	40 U	43 U	41 U	41 U
3,3'-Dichlorobenzidine	--	--		130 U	120 U	140 U	130 U	130 U
3-Nitroaniline	--	--		130 U	130 U	140 U	130 U	130 U
4,6-Dinitro-2-methylphenol	--	--		98 U	97 U	110 U	99 U	100 U
4-Bromophenyl phenyl ether	--	--		36 U	35 U	39 U	36 U	37 U
4-Chloro-3-methylphenol	--	--		54 U	54 U	59 U	55 U	56 U
4-Chloroaniline	--	--		95 U	94 U	100 U	96 U	98 U
4-Chlorophenyl phenyl ether	--	--		42 U	42 U	46 U	43 U	43 U
4-Methylphenol	330	500000		71 U	70 U	77 U	72 U	73 U
4-Nitroaniline	--	--		110 U	110 U	120 U	110 U	120 U
4-Nitrophenol	--	--		230 U	230 U	250 U	230 U	240 U
Acenaphthene	20000	500000		52 U	52 U	57 U	53 U	54 U
Acenaphthylene	100000	500000		42 U	42 U	46 U	43 U	44 U
Acetophenone	--	--		55 U	55 U	60 U	56 U	57 U
Anthracene	100000	500000		44 U	43 U	47 U	44 U	45 U
Atrazine	--	--		55 U	55 U	60 U	56 U	57 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-9 5/20/2013 4-6	SB-10 5/20/2013 4-6	SB-10 5/20/2013 13-15	SB-11 5/20/2013 4-6	SB-12 5/20/2013 4-6
Benzaldehyde	--	--		42 U	42 U	46 U	43 U	43 U
Benzo[a]anthracene	1000	5600		23 J	2.5 U	210	29 J	23 J
Benzo[a]pyrene	1000	1000		24 J	2.5 U	220	30 J	21 J
Benzo[b]fluoranthene	1000	5600		29 J	2.3 U	190	39	30 J
Benzo[g,h,i]perylene	100000	500000		27 U	26 U	150 J	35 J	27 U
Benzo[k]fluoranthene	800	56000		11 J	2.7 U	62	16 J	13 J
Bis(2-chloroethoxy)methane	--	--		46 U	46 U	50 U	47 U	48 U
Bis(2-chloroethyl) ether	--	--		4.9 U	4.9 U	5.3 U	5 U	5 U
Bis(2-ethylhexyl) phthalate	--	--		120 U	120 U	130 U	120 U	120 U
Butylbenzyl phthalate	--	--		33 U	33 U	36 U	33 U	34 U
Caprolactam	--	--		83 U	82 U	90 U	84 U	85 U
Carbazole	--	--		42 U	42 U	46 U	43 U	44 U
Chrysene	1000	56000		42 U	42 U	270 J	42 U	43 U
Dibenzo[a,h]anthracene	330	560		4.5 U	4.5 U	31 J	4.6 U	4.7 U
Dibenzofuran	7000	350000		42 U	42 U	46 U	43 U	43 U
Diethyl phthalate	--	--		43 U	42 U	46 U	43 U	44 U
Dimethyl phthalate	--	--		42 U	42 U	46 U	43 U	44 U
Di-n-butyl phthalate	--	--		44 U	44 U	48 U	45 U	46 U
Di-n-octyl phthalate	--	--		23 U	23 U	25 U	23 U	24 U
Fluoranthene	100000	500000		48 U	48 U	190 J	48 U	49 U
Fluorene	30000	500000		46 U	46 U	50 U	46 U	47 U
Hexachlorobenzene	330	6000		4.9 U	4.9 U	5.3 U	5 U	5.1 U
Hexachlorobutadiene	--	--		8.7 U	8.7 U	9.5 U	8.9 U	9 U
Hexachlorocyclopentadiene	--	--		42 U	42 U	46 U	43 U	43 U
Hexachloroethane	--	--		4 U	4 U	4.3 U	4 U	4.1 U
Indeno[1,2,3-cd]pyrene	500	5600		21 J	6.6 U	140	34 J	21 J
Isophorone	--	--		43 U	43 U	47 U	44 U	45 U
Naphthalene	12000	500000		42 U	41 U	45 U	42 U	43 U
Nitrobenzene	--	--		5.1 U	5.1 U	5.5 U	5.2 U	5.3 U
n-Nitrosodi-n-propylamine	--	--		6 U	5.9 U	6.5 U	6.1 U	6.2 U
n-Nitrosodiphenylamine	--	--		35 U	35 U	38 U	36 U	36 U
Pentachlorophenol	800	6700		110 U	110 U	120 U	110 U	110 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-9	SB-10	SB-10	SB-11	SB-12
			Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013	5/20/2013
			Sample Depth (ft bls):	4-6	4-6	13-15	4-6	4-6
Phenanthrene	100000	500000		46 U	45 U	64 J	46 U	47 U
Phenol	330	500000		48 U	48 U	52 U	49 U	50 U
Pyrene	100000	500000		33 J	30 U	260 J	37 J	31 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

* - MS or MSD exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

-- No NYSDEC Part 375 Standards available

Table 2. Summary of Semivolatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-13 5/20/2013 4-6	SB-13 DUP 5/20/2013 4 - 6	SB-14 5/20/2013 4-6	SB-14 5/20/2013 14-15
1,1'-Biphenyl	--	--		48 U	49 U	51 U	49 U
1,2,4,5-Tetrachlorobenzene	--	--		48 U	49 U	51 U	49 U
2,2'-oxybis (1-chloropropane)	--	--		40 U	40 U	42 U	40 U
2,3,4,6-Tetrachlorophenol	--	--		47 U *	47 U *	49 U *	47 U *
2,4,5-Trichlorophenol	--	--		46 U	47 U	49 U	47 U
2,4,6-Trichlorophenol	--	--		42 U	42 U	44 U	43 U
2,4-Dichlorophenol	--	--		53 U	53 U	55 U	53 U
2,4-Dimethylphenol	--	--		89 U	89 U	93 U	90 U
2,4-Dinitrophenol	--	--		200 U	210 U	210 U	210 U
2,4-Dinitrotoluene	--	--		12 U	12 U	12 U	12 U
2,6-Dinitrotoluene	--	--		11 U	11 U	11 U	11 U
2-Chloronaphthalene	--	--		40 U	40 U	42 U	41 U
2-Chlorophenol	--	--		47 U	48 U	50 U	48 U
2-Methylnaphthalene	--	--		46 U	47 U	49 U	47 U
2-Methylphenol	330	500000		61 U	62 U	64 U	62 U
2-Nitroaniline	--	--		150 U	150 U	160 U	150 U
2-Nitrophenol	--	--		40 U	40 U	42 U	41 U
3,3'-Dichlorobenzidine	--	--		130 U	130 U	130 U	130 U
3-Nitroaniline	--	--		130 U	130 U	130 U	130 U
4,6-Dinitro-2-methylphenol	--	--		98 U	99 U	100 U	99 U
4-Bromophenyl phenyl ether	--	--		36 U	36 U	37 U	36 U
4-Chloro-3-methylphenol	--	--		54 U	55 U	57 U	55 U
4-Chloroaniline	--	--		95 U	96 U	100 U	96 U
4-Chlorophenyl phenyl ether	--	--		42 U	43 U	44 U	43 U
4-Methylphenol	330	500000		71 U	71 U	74 U	72 U
4-Nitroaniline	--	--		110 U	110 U	120 U	110 U
4-Nitrophenol	--	--		230 U	230 U	240 U	230 U
Acenaphthene	20000	500000		52 U	53 U	55 U	53 U
Acenaphthylene	100000	500000		43 U	43 U	45 U	43 U
Acetophenone	--	--		55 U	56 U	58 U	56 U
Anthracene	100000	500000		44 U	44 U	46 U	44 U
Atrazine	--	--		56 U	56 U	58 U	56 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-13 5/20/2013 4-6	SB-13 DUP 5/20/2013 4 - 6	SB-14 5/20/2013 4-6	SB-14 5/20/2013 14-15
Benzaldehyde	--	--		42 U	43 U	44 U	43 U
Benzo[a]anthracene	1000	5600		74	95	27 J	62
Benzo[a]pyrene	1000	1000		87	110	30 J	38
Benzo[b]fluoranthene	1000	5600		110	98	40	65
Benzo[g,h,i]perylene	100000	500000		120 J	83 J	35 J	35 J
Benzo[k]fluoranthene	800	56000		48	53	19 J	26 J
Bis(2-chloroethoxy)methane	--	--		46 U	47 U	49 U	47 U
Bis(2-chloroethyl) ether	--	--		4.9 U	4.9 U	5.1 U	5 U
Bis(2-ethylhexyl) phthalate	--	--		120 U	120 U	130 U	120 U
Butylbenzyl phthalate	--	--		33 U	33 U	35 U	33 U
Caprolactam	--	--		83 U	83 U	87 U	84 U
Carbazole	--	--		43 U	43 U	45 U	43 U
Chrysene	1000	56000		100 J	110 J	44 U	80 J
Dibenzo[a,h]anthracene	330	560		24 J	16 J	8.2 J	10 J
Dibenzofuran	7000	350000		42 U	43 U	44 U	43 U
Diethyl phthalate	--	--		43 U	43 U	45 U	43 U
Dimethyl phthalate	--	--		43 U	43 U	45 U	43 U
Di-n-butyl phthalate	--	--		150 J	45 U	47 U	45 U
Di-n-octyl phthalate	--	--		23 U	23 U	24 U	23 U
Fluoranthene	100000	500000		130 J	140 J	50 U	140 J
Fluorene	30000	500000		46 U	46 U	48 U	47 U
Hexachlorobenzene	330	6000		4.9 U	5 U	5.2 U	5 U
Hexachlorobutadiene	--	--		8.8 U	8.8 U	9.2 U	8.9 U
Hexachlorocyclopentadiene	--	--		42 U	43 U	44 U	43 U
Hexachloroethane	--	--		4 U	4 U	4.2 U	4.1 U
Indeno[1,2,3-cd]pyrene	500	5600		110	89	35 J	38
Isophorone	--	--		44 U	44 U	46 U	44 U
Naphthalene	12000	500000		42 U	42 U	44 U	42 U
Nitrobenzene	--	--		5.1 U	5.1 U	5.4 U	5.2 U
n-Nitrosodi-n-propylamine	--	--		6 U	6 U	6.3 U	6.1 U
n-Nitrosodiphenylamine	--	--		35 U	36 U	37 U	36 U
Pentachlorophenol	800	6700		110 U	110 U	110 U	110 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-13	SB-13 DUP	SB-14	SB-14
			Sample Date:	5/20/2013	5/20/2013	5/20/2013	5/20/2013
			Sample Depth (ft bls):	4-6	4 - 6	4-6	14-15
Phenanthrene	100000	500000		68 J	120 J	48 U	130 J
Phenol	330	500000		48 U	49 U	51 U	49 U
Pyrene	100000	500000		100 J	150 J	32 U	120 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

* - MS or MSD exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

-- No NYSDEC Part 375 Standards available

Table 3. Summary of Volatile Organic Compounds in Groundwater
Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-16-RMW-9 5/21/2013	TRIP 5/21/2013	FB052513 5/21/2013
1,1,1-Trichloroethane	5		1 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5		1 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1		1 U	1.0 U	1.0 U
1,1-Dichloroethane	5		1 U	1.0 U	1.0 U
1,1-Dichloroethene	5		1 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	5		1 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5		1 U	1.0 U	1.0 U
1,2-Dibromoethane	--		1 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3		1 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6		1 U	1.0 U	1.0 U
1,2-Dichloropropane	1		1 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3		1 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3		1 U	1.0 U	1.0 U
1,4-Dioxane	--		50 U	50 U	50 U
2-Butanone (MEK)	50		5 U	5.0 U	5.0 U
2-Hexanone	50		5 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5.0 U	5.0 U
Acetone	50		**160**	36	5.0 U
Benzene	1		**3900**	1.0 U	1.0 U
Bromochloromethane	5		1 U	1.0 U	1.0 U
Bromodichloromethane	50		28	1.0 U	1.0 U
Bromoform	50		1 U	1.0 U	1.0 U
Bromomethane	5		1 U	1.0 U	1.0 U
Carbon disulfide	60		0.72 J	1.0 U	1.0 U
Carbon tetrachloride	5		1 U	1.0 U	1.0 U
Chlorobenzene	5		1 U	1.0 U	1.0 U
Chloroethane	5		1 U	1.0 U	1.0 U
Chloroform	7		1 U	1.0 U	0.25 J
Chloromethane	--		1 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	5		1 U	1.0 U	1.0 U
Cyclohexane	--		1600	1.0 U	1.0 U
Dibromochloromethane	50		1 U	1.0 U	1.0 U
Dibromochloropropane	--		1 U	1.0 U	1.0 U
Dichlorodifluoromethane	5		1 U	1.0 U	1.0 U
Ethylbenzene	5		**2200**	1.0 U	1.0 U
Freon 113	--		1 U	1.0 U	1.0 U
Isopropylbenzene	5		**320**	1.0 U	1.0 U
Methyl acetate	--		2 U	2.0 U	2.0 U
Methylcyclohexane	--		2100	1.0 U	1.0 U
Methylene chloride	5		1 U	1.0 U	1.4
MTBE	10		**83**	1.0 U	1.0 U
Styrene	5		1 U	1.0 U	1.0 U
Tetrachloroethene	5		1 U	1.0 U	1.0 U
Toluene	5		**360**	1.0 U	1.0 U
trans-1,2-Dichloroethene	5		1 U	1.0 U	1.0 U

Table 3. Summary of Volatile Organic Compounds in Groundwater
Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-16-RMW-9 5/21/2013	TRIP 5/21/2013	FB052513 5/21/2013
trans-1,3-Dichloropropene	--		1 U	1.0 U	1.0 U
Trichloroethene	5		1 U	1.0 U	1.0 U
Trichlorofluoromethane	5		1 U *	1.0 U	1.0 U
Vinyl chloride	2		1 U	1.0 U	1.0 U
Xylenes (total)	5		**5200**	3.0 U	3.0 U
Totals			15951.72	36	1.65

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DIL - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 4. Summary of Semivolatile Organic Compounds in Groundwater
Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-16-RMW-9 5/21/2013	FB052513 5/21/2013
1,1'-Biphenyl	--		50 U	10 U
1,2,4,5-Tetrachlorobenzene	--		50 U	10 U
2,2'-oxybis (1-chloropropane)	5		50 U	10 U
2,3,4,6-Tetrachlorophenol	--		50 U	10 U
2,4,5-Trichlorophenol	--		50 U	10 U
2,4,6-Trichlorophenol	--		50 U	10 U
2,4-Dichlorophenol	5		50 U	10 U
2,4-Dimethylphenol	50		50 U	10 U
2,4-Dinitrophenol	10		150 U	30 U
2,4-Dinitrotoluene	5		10 U	2.0 U
2,6-Dinitrotoluene	5		10 U	2.0 U
2-Chloronaphthalene	10		50 U	10 U
2-Chlorophenol	--		50 U	10 U
2-Methylnaphthalene	--		150	10 U
2-Methylphenol	--		50 U	10 U
2-Nitroaniline	5		100 U	20 U
2-Nitrophenol	--		50 U	10 U
3,3'-Dichlorobenzidine	5		100 U	20 U
3-Nitroaniline	5		100 U	20 U
4,6-Dinitro-2-methylphenol	--		150 U	30 U
4-Bromophenyl phenyl ether	--		50 U	10 U
4-Chloro-3-methylphenol	--		50 U	10 U
4-Chloroaniline	5		50 U	10 U
4-Chlorophenyl phenyl ether	--		50 U	10 U
4-Methylphenol	--		15 J	10 U
4-Nitroaniline	5		100 U	20 U
4-Nitrophenol	--		150 U	30 U
Acenaphthene	20		5.5 J	10 U
Acenaphthylene	20		50 U	10 U
Acetophenone	--		50 U	1.2 J
Anthracene	50		50 U	10 U
Atrazine	--		50 U	10 U
Benzaldehyde	--		50 U	10 U
Benzo[a]anthracene	0.002		5.0 U	1.0 U
Benzo[a]pyrene	0		5.0 U	1.0 U
Benzo[b]fluoranthene	0.002		5.0 U	1.0 U
Benzo[g,h,i]perylene	--		50 U	10 U
Benzo[k]fluoranthene	0.002		5.0 U	1.0 U
Bis(2-chloroethoxy)methane	5		50 U	10 U
Bis(2-chloroethyl) ether	--		5.0 U	1.0 U
Bis(2-ethylhexyl) phthalate	5		50 U	10 U
Butylbenzyl phthalate	50		50 U	10 U
Caprolactam	--		50 U	10 U
Carbazole	--		50 U	10 U
Chrysene	0.002		50 U	10 U
Dibenzo[a,h]anthracene	--		5.0 U	1.0 U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater
Former Getty Station, 5510 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-16-RMW-9 5/21/2013	FB052513 5/21/2013
Dibenzofuran	--		50 U	10 U
Diethyl phthalate	50		50 U	10 U
Dimethyl phthalate	50		50 U	10 U
Di-n-butyl phthalate	50		50 U	10 U
Di-n-octyl phthalate	--		50 U	10 U
Fluoranthene	50		50 U	10 U
Fluorene	50		50 U	10 U
Hexachlorobenzene	0.04		5.0 U	1.0 U
Hexachlorobutadiene	0.5		10 U	2.0 U
Hexachlorocyclopentadiene	5		50 U	10 U
Hexachloroethane	5		5.0 U	1.0 U
Indeno[1,2,3-cd]pyrene	0.002		5.0 U	1.0 U
Isophorone	50		50 U	10 U
Naphthalene	10		**440**	10 U
Nitrobenzene	0.4		5.0 U	1.0 U
n-Nitrosodi-n-propylamine	--		5.0 U	1.0 U
n-Nitrosodiphenylamine	50		50 U	10 U
Pentachlorophenol	1		150 U	30 U
Phenanthrene	50		11 J	10 U
Phenol	1		**73**	10 U
Pyrene	50		50 U	10 U
Totals			694.5	1.2

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

FIGURES

1. Site Location Map
2. Supplemental RI Sampling Locations
3. Sample Results

N

0 400'

Title:

SITE LOCATION MAP

5510 BROADWAY
BRONX, NEW YORK

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.G.	Date: 02JUL13	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: J.G.	Project No.: 1924.0005Y000	
File: 1924.0005Y105.03.CDR		

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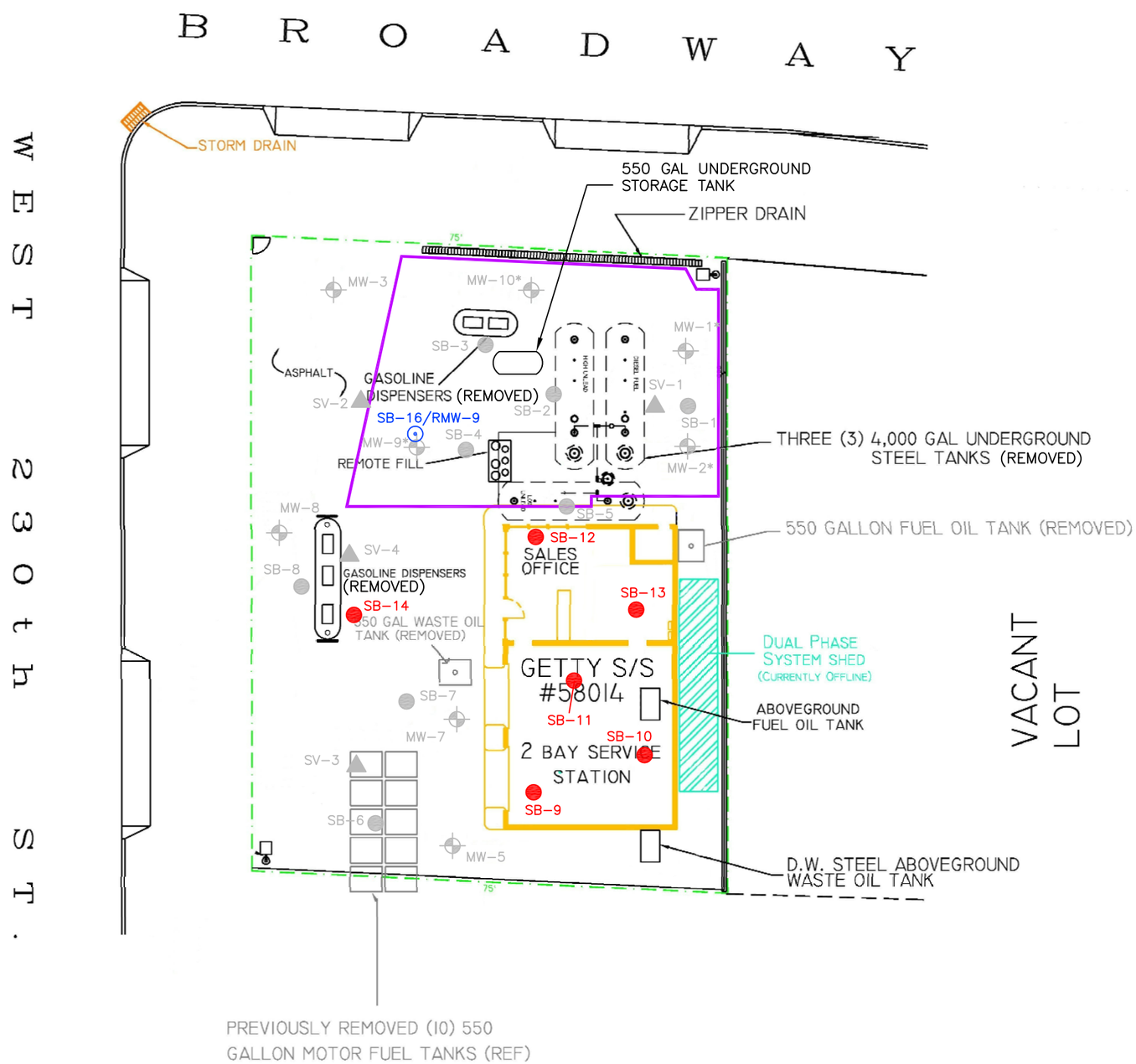

LEGEND

SB-9	SOIL BORING LOCATION (ROUX ASSOCIATES – MAY 2013)
SB-16/RMW-9	GROUNDWATER GRAB SAMPLE (ROUX ASSOCIATES – MAY 2013)
MW-3	MONITORING WELL
MW-1*	MONITORING WELL DESTROYED DURING TYREE EXCAVATION (MAY 2013)
SB-1	SOIL BORING LOCATION (ROUX ASSOCIATES – JULY 2012)
SV-1	SOIL VAPOR LOCATION
	PROPERTY LINE
	EXTENT OF TYREE EXCAVATION (MAY 2013)

N

20' 0 20'

Title:

SUPPLEMENTAL RI SAMPLING LOCATIONS

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 02JUL13	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	2
Project Mgr: W.M.	Project: 1924.0005Y000	
File: 1924.0005Y105.02.DWG		

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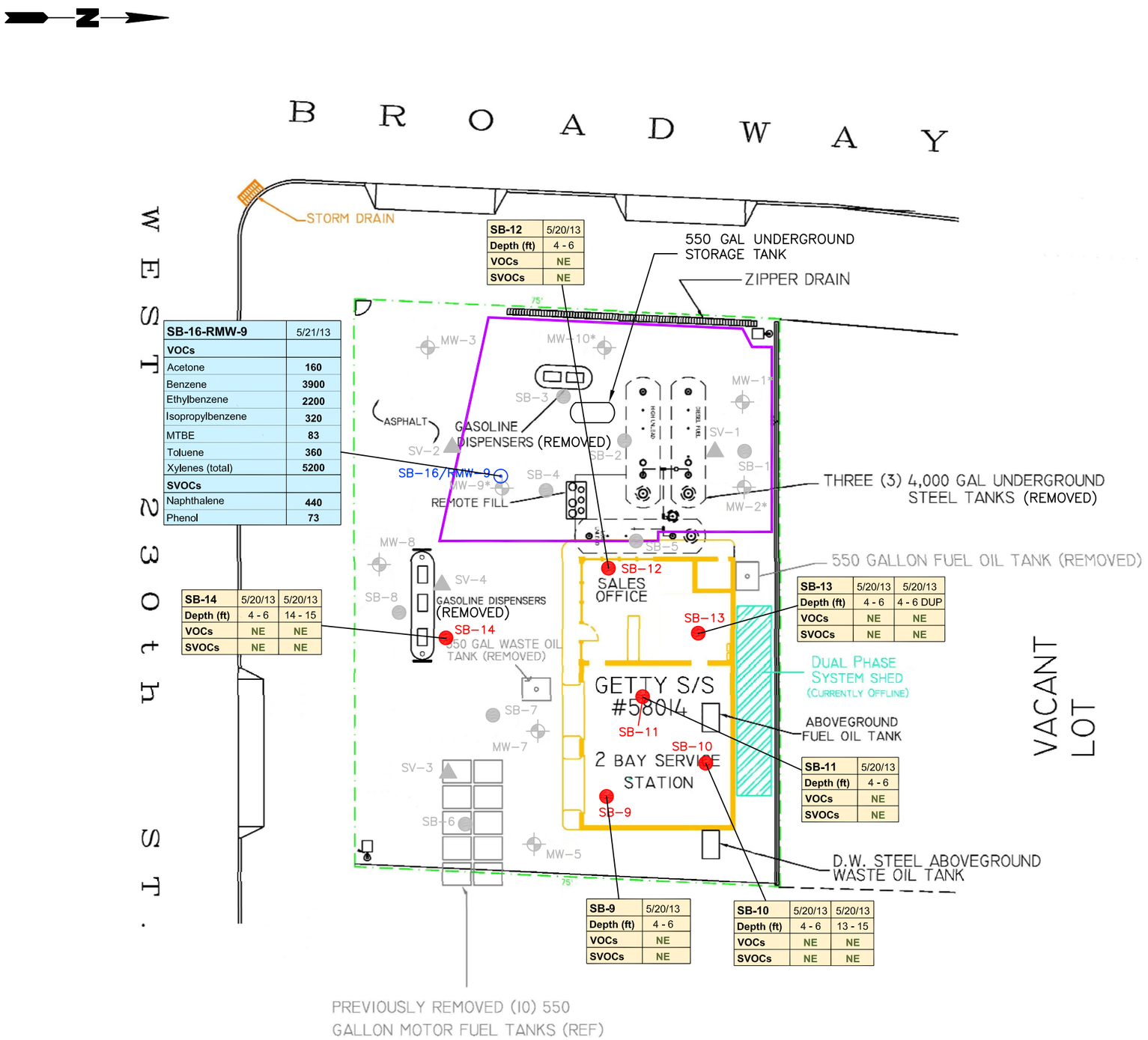

SB-12	5/20/13
Depth (ft)	4 - 6
VOCs	NE
SVOCs	NE

SB-16-RMW-9	5/21/13
VOCs	
Acetone	160
Benzene	3900
Ethylbenzene	2200
Isopropylbenzene	320
MTBE	83
Toluene	360
Xylenes (total)	5200
SVOCs	
Naphthalene	440
Phenol	73

SB-14	5/20/13	5/20/13
Depth (ft)	4 - 6	14 - 15
VOCs	NE	NE
SVOCs	NE	NE

SB-13	5/20/13	5/20/13
Depth (ft)	4 - 6	4 - 6 DUP
VOCs	NE	NE
SVOCs	NE	NE

SB-11	5/20/13
Depth (ft)	4 - 6
VOCs	NE
SVOCs	NE

SB-9	5/20/13
Depth (ft)	4 - 6
VOCs	NE
SVOCs	NE

SB-10	5/20/13	5/20/13
Depth (ft)	4 - 6	13 - 15
VOCs	NE	NE
SVOCs	NE	NE

LEGEND

- SB-9 — SOIL BORING LOCATION (ROUX ASSOCIATES – MAY 2013)
- SB-16/RMW-9 — GROUNDWATER GRAB SAMPLE (ROUX ASSOCIATES – MAY 2013)
- MW-3 — MONITORING WELL
- MW-1* — MONITORING WELL DESTROYED DURING TYREE EXCAVATION (MAY 2013)
- SB-1 — SOIL BORING LOCATION (ROUX ASSOCIATES – JULY 2012)
- SV-1 — SOIL VAPOR LOCATION
- PROPERTY LINE
- EXTENT OF TYREE EXCAVATION (MAY 2013)

TYPICAL DATABOX CONTENT

SAMPLE ID → **SB-16-RMW-9** | 5/21/13 ← SAMPLE DATE

ANALYTES — CONCENTRATIONS

VOCs	
Acetone	160
Benzene	3900
Ethylbenzene	2200

SOIL CHEMISTRY

GROUNDWATER CHEMISTRY

Parameter	Standards* (µg/L)
VOCs	
Acetone	50
Benzene	1
Ethylbenzene	5
Isopropylbenzene	5
MTBE	10
Toluene	5
Xylenes (total)	5
SVOCs	
Naphthalene	10
Phenol	1

Concentrations in µg/L

- µg/L — Micrograms per liter
- * — NYSDEC AWQSGVs
- NYSDEC — New York State Department of Environmental Conservation
- AWQSGVs — Ambient Water-Quality Standards and Guidance Values
- VOCs — Volatile Organic Compounds
- SVOCs — Semivolatile Organic Compounds
- DUP — Duplicate Sample
- NE — No Exceedances

Title:

SAMPLE RESULTS MAY 2013

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 02JUL13	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: W.M.	Project: 1924.0005Y000	
File: 1924.0005Y105.04.DWG		

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APPENDICES

A. Getty Remedial Action Plan
B. Citizen Participation Plan
C. Sustainability Statement
D. Soil/Materials Management Plan
E. Construction Health and Safety Plan
F. Specifications for Sub-slab Depressurization System

APPENDIX A

Getty Remedial Action Plan

Tyree Environmental Corp.

208 Route 109, Suite 100, Farmingdale, NY 11735 · Fax: (631)249-3150 · Phone: (631)249-3281

September 6, 2012

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, NY 12207

Attn.: Mr. Kevin Hale

Re: Remedial Action Work Plan
Former Getty S/S #58014
5510 Broadway
Bronx, New York
NYSDEC Spill #93-11138

Dear Mr. Hale:

Tyree Environmental Corp. (Tyree) on behalf of Getty Properties Corp. (Getty) is pleased to provide the NYSDEC with the following Remedial Action Plan (RAP) for the excavation of petroleum impacted soil at the Former Getty Service Station #58014 located at 5510 Broadway, Bronx, New York as shown in **Figure 1**. Specifically, this RAP proposes performing a limited soil excavation to remove residual soil mass in the vicinity of impacted monitoring well MW-9 as well as previous soil boring locations SB-4 and SB-5. The RAP will also include the removal of an underground storage tank (UST) in the vicinity of MW-9, which may be acting as a continual source for groundwater contamination measured in MW-9. Lastly, the RAP will include a proposal for the subsequent replacement of destroyed monitoring wells and post-remedial groundwater monitoring. Work will commence pending NYSDEC approval of this RAP, and you will be notified in advance of the site activities.

1.0 SITE BACKGROUND

1.1 Site Description

The subject property, located at 5510 Broadway, Bronx, New York, is currently unoccupied. The subject site consists of a 1-story masonry building with an attached canopy which was previously used as a Getty gasoline station and auto repair facility. The former Getty site had been divested of all known USTs, product dispensers and ancillary piping and remains unimproved. Refer to **Figure 1** for the locations of all relevant site features.

The subject site is bordered by Broadway to the west and West 230th Street to the south. A vacant lot is located adjacent to the north and a parking lot is located adjacent to the east. Surrounding properties consist mostly of single- and 2-story commercial and retail buildings. An elevated subway line is located along Broadway.

There are currently nine (9) on-site monitoring wells (MW-1 through MW-3 and MW-5 through MW-10) and three (3) monitoring wells in the sidewalks (MW-11 through MW-13) utilized in the ongoing groundwater monitoring program. Historical summaries of the groundwater elevation data and groundwater chemistry data have been provided in **Tables 1 and 2**, respectively.

1.2 Site Geology/Hydrogeology

The subject property lies primarily on a flat area located approximately 1,700 feet west of the Jerome Park Reservoir. The area lies within the New England Uplands Physiographic Province of New York State. The topography is primarily derived from the most recent recession of the most recent glacial period. The site is supplied by municipal-fed water through the City of New York. The depth to groundwater beneath the site is approximately 10-15 feet below ground surface (bgs).

The bedrock geology of the area is reported as Inwood and dolomite marble, quartzite, overlain by calcite marble: grades into underlying patchy lower quartzite of early Cambrian age. Bedrock is generally exposed within one meter of the surface. Subsurface soils on the project site, as determined by borings SB-1 through SB-9 consist of a brown coarse to silty sand with some clay to depths ranging from 0 to 15 feet bgs. Dark gray olive silty sands were observed at depths of 15 to 20 feet bgs. Refusal (potential bedrock) was encountered at 7 and 10 feet bgs in two of the borings advanced.

1.3 Site History

In May 1993, Giles Engineering Associates, Inc. (Giles) was retained by the Taco Bell Corporation to conduct a Geotechnical Engineering Exploration and Limited Volatile Organic Compound (VOC) Presence Study at the adjacent Popeye's Restaurant (Popeye's) located at 5530 Broadway Avenue, Bronx, New York. Seven soil borings were completed with the soil boring depths ranging from approximately 11 to 21 feet below grade surface (bgs). Giles reported that elevated levels of benzene, toluene, ethylbenzene and total xylenes (BTEX) were detected in the soil and water samples collected from one soil boring.

In December 1993, Unico Environmental Inc. (Unico) was retained by Quick Quality Restaurants Inc. to conduct a Subsurface Investigation at the adjacent Popeye's. As part of the investigation, Unico installed three monitoring wells. Unico reported that elevated levels of aromatic hydrocarbons were detected in groundwater samples collected from two monitoring wells. On December 14, 1993, the NYSDEC Region II issued spill number 93-11138 upon being notified of a tank test failure at the Service Station property.

In July 1994, Tyree was retained by Getty to complete an environmental site investigation and report for the Service Station property. As part of the July 1994 investigation, Tyree installed five groundwater monitoring wells (MW-1 through MW-6). Each location was completed to a depth of approximately 20 feet bgs. Soil and groundwater samples were collected from each location for laboratory analysis. Tyree reported that elevated levels of hydrocarbons were detected in the soil and groundwater samples collected from monitoring wells MW-1 through MW-5.

In August 1998, Tyree completed the installation of monitoring wells MW-7 through MW-10 at the Service Station and also completed the installation of a Dual Phase High Vacuum Extraction System (DPHVES). The DPHVES was activated on August 28, 1998. The system consisted of one positive displacement blower connected by a manifold to monitoring wells MW-1 through MW-3 and MW-5 through MW-10. The extracted groundwater was treated with a low profile air stripper and discharged to the sanitary sewer system.

On November 28 and 29, 2005, Tyree completed a subsurface investigation that included the installation of six soil boring that were completed as monitoring wells MW-11 through MW-16. The wells were installed to delineate off-site groundwater impacts. In December 2005 the DPHVES was turned off.

On October 23, 2008 Tyree conducted a vacuum enhanced fluid extraction (VEFR) event on monitoring well MW-16 as per a NYSDEC request. A total of 270 gallons of water/gasoline mixture was extracted during the duration of the event

In July 2009, Tyree removed two 4,000-gallon single walled steel gasoline USTs, one, 4,000-gallon single walled steel diesel UST, five product dispensers and the associated product piping from the Service Station during a site divestment that was conducted on behalf of Getty Petroleum Marketing Inc. (GPMI). During removal activities, Tyree personnel observed petroleum hydrocarbon stained soil and a previously unidentified 550-gallon UST. On July 24, 2009, the NYSDEC spill hotline was notified by GPMI and spill number 09-04799 was assigned to the site. Monitoring well MW-9 was destroyed during the 2009 site divestment activities.

In October 2009, Tyree conducted a subsurface investigation consisting of the advancement of nine soil borings (SB-1 through SB-9) at points of known historical soil impacts. Laboratory analytical results identified only minimal concentrations of VOCs in soil samples collected in the vicinity of the former 550-gallon tank field which Getty had been investigating. Laboratory analytical results also identified elevated concentrations of VOCs in soil samples collected in the vicinity of the former GMPI tank system and from locations downgradient of the former GPMI tank field, product dispenser area and former remote fills.

On October 22, 2010, during the groundwater gauging event, the off-site groundwater monitoring wells MW-14 through MW-16 could not be located. These monitoring wells are presumed to have been destroyed.

On August 22, 2011, Tyree, on behalf of Getty Petroleum Marketing Inc. (GPMI), oversaw the reinstallation of monitoring well MW-9. Tyree surveyed the newly reinstalled monitoring well MW-9, as well as the other on-site monitoring wells, to a new 100-foot datum.

1.4 Groundwater Sampling

The monitoring wells have been gauged and sampled on a quarterly basis since 1994. Currently, the depth to groundwater beneath the site ranges between 10 and 15 feet bgs.

Historically, groundwater samples have been analyzed for BTEX and MTBE via for USEPA Method 602.

1.5 Recent Groundwater Sampling Event

The most recent groundwater monitoring event at the subject site took place on August 7, 2012. Prior to sampling, each monitoring well was gauged for static water level and then purged of three well volumes or until dry. Once the groundwater within each monitoring well recharged to at least 90 percent of its static water level, groundwater samples were collected. Groundwater samples were submitted to Accutest Laboratories (New Jersey) for laboratory analysis for BTEX and MTBE via EPA Method 8260. Laboratory analytical results associated with the August 7, 2012 groundwater sampling event indicate that target compounds of concern (COCs) exceeded NYSDEC groundwater standards at the following monitoring well locations:

MW-1	benzene (68.7 parts per billion (ppb)), ethylbenzene (33.2 ppb), total xylenes (19.1 ppb)
MW-2	benzene (15.2 ppb), ethylbenzene (19.6 ppb), total xylenes (7.9 ppb)
MW-3	none
MW-5	none
MW-6	benzene (49 ppb) total xylenes (5.9 ppb)
MW-7	benzene (1.8 ppb)
MW-8	none
MW-9	benzene (4,010 ppb), toluene (278 ppb), ethylbenzene (1,100 ppb), total xylenes (2,040 ppb) and MTBE (108 ppb)
MW-10	none
MW-11	none
MW-12	benzene (8.1 ppb)
MW-13	benzene (11.3 ppb)

Historical groundwater elevations results are summarized in **Table 1**. Historical groundwater analytical results are summarized in **Table 2**. Total BTEX and MTBE concentrations associated with the August 7, 2012 groundwater sampling event are included in **Figure 1**.

2.0 PROPOSED REMEDIAL ACTIONS

2.1 Soil Removal

2.1.1 Introduction

A limited soil excavation will be completed to remove contaminated soil in the vicinity of monitoring well MW-9 as well as previous soil boring locations SB-4 and SB-5. The proposed area includes the locations of an unknown UST which was identified during the 2009 tank removals. There are three areas of excavations that will be part of this RAP (**Figure 1**). Area #1 will be excavated from grade to approximately 12-15 feet bgs. Area #2 will be excavated from grade to approximately five feet bgs. Area #3 will be excavated to approximately 10-15 feet bgs. There are likely areas of overburden soil in Area #3 that will be clean, which will be stockpiled and re-used as backfill.

Excavation will not preceed beyond safety or structural integrity thresholds. The soil will be excavated to the top of the water table (approximately 10 to 15 feet bgs); however, if soil impacts are observed to extend beneath the water table an effort will be made to remove as much source material as deemed feasible within the saturated zone given site constraints and groundwater recharge conditions. Any contaminated soil that is not removed will be addressed during the post-excavation remedial phase of the project.

2.1.2 Soil Screening and Segregation

Soils that exhibit petroleum contamination will be excavated and removed from the site according to NYSDEC DER-10 Section 5.5 (c) (3) (iv). Field screening will be performed during excavation to assist in defining the excavation area. When PID readings are less than 10 parts per million (ppm), post-excavation soil samples will be collected and subsequently analyzed by a New York-Certified Laboratory in order to compare the resultant contaminant concentrations to NYSDEC USCOs.

2.1.4 Post-excavation Soil Sampling and Analysis

Soil samples will be collected from the excavation sidewalls and bottom and will be submitted for laboratory analysis for VOCs and SVOCs via USEPA Methods 8260 STARS and 8270 STARS, respectively. Soil samples obtained for laboratory analysis will be collected in accordance with NYSDEC DER-10 Section 5.5 (c) (3) (iv).

2.2 Tank Removal

During the soil excavation activities, the previously documented UST will be removed in accordance with NYSDEC DER-10 Section 5.5. The tank will be properly registered with the NYSDEC and its removal will be documented. The contents of the tank, if any, will be pumped out and properly disposed. Any ancillary piping will also be removed. Field screening will be performed during excavation to assist in defining the excavation area. Endpoint samples will be collected and subsequently analyzed by a New York-Certified Laboratory in order to compare the resultant contaminant concentrations to NYSDEC USCOs.

3.0 POST-EXCAVATION MONITORING

3.1 Replacement of Destroyed Monitoring Wells

Due to the likely destruction of monitoring wells MW-1, MW-2, MW-9, and MW-10 as a result of the soil excavation activities, a total of three (3) replacement monitoring wells will be installed and appropriately placed within the extents of the excavation area. The exact locations of the replacement wells will be discussed with the NYSDEC prior to installation.

3.2 Groundwater Monitoring Program

The site will continue to be monitored on a quarterly basis for the remainder of 2012 and 2013. Groundwater samples will be collected from existing monitoring wells on a quarterly basis and submitted to a New York-Certified Laboratory for analysis of BTEX and MTBE via USEPA Method 8260. These VOC concentrations will be compared to historical data and NYSDEC groundwater standards to evaluate the remedial progress. Groundwater analytical data will also be evaluated to determine if a revised sampling

schedule is warranted. Groundwater monitoring activities to assess natural attenuation will continue until project goals are reached.

4.0 SITE EXCAVATION REPORT PREPARATION AND POST-EXCAVATION REMEDIAL STRATEGY

Upon receipt of analytical data, a comprehensive report will be submitted that will include a site figure showing the excavated area, location of any destroyed/replaced monitoring wells, soil and groundwater analytical data, and conclusions. The report will also document the removal of the remaining UST. By the end of 2012, site conditions will be re-evaluated and, if conditions warrant, a post-excavation remedial strategy will be developed in order to address the residual contamination identified by the endpoint soil sample analysis and by subsequent groundwater monitoring results. Any remaining source of groundwater impact will be addressed accordingly in an addendum to this RAP, as deemed necessary.

The work start date is approximately 30 days after NYSDEC approval of the Remedial Action Work Plan.

Please feel free to call me at (631) 249-3150 x311 with any questions or if you require further information.

Sincerely,
Tyree Environmental Corp.

Paul Hatcher
Environmental Project Manager

Attachments: Figure 1 – Proposed Excavation Site Plan
Table 1 – Historical Summary of Groundwater Elevation Gauging Data
Table 2 – Historical Summary of Quarterly Groundwater Analytical Results

cc: K. Shea, Getty
B. Rieger, Antea Group
File (Tyree Organization)

ATTACHMENTS

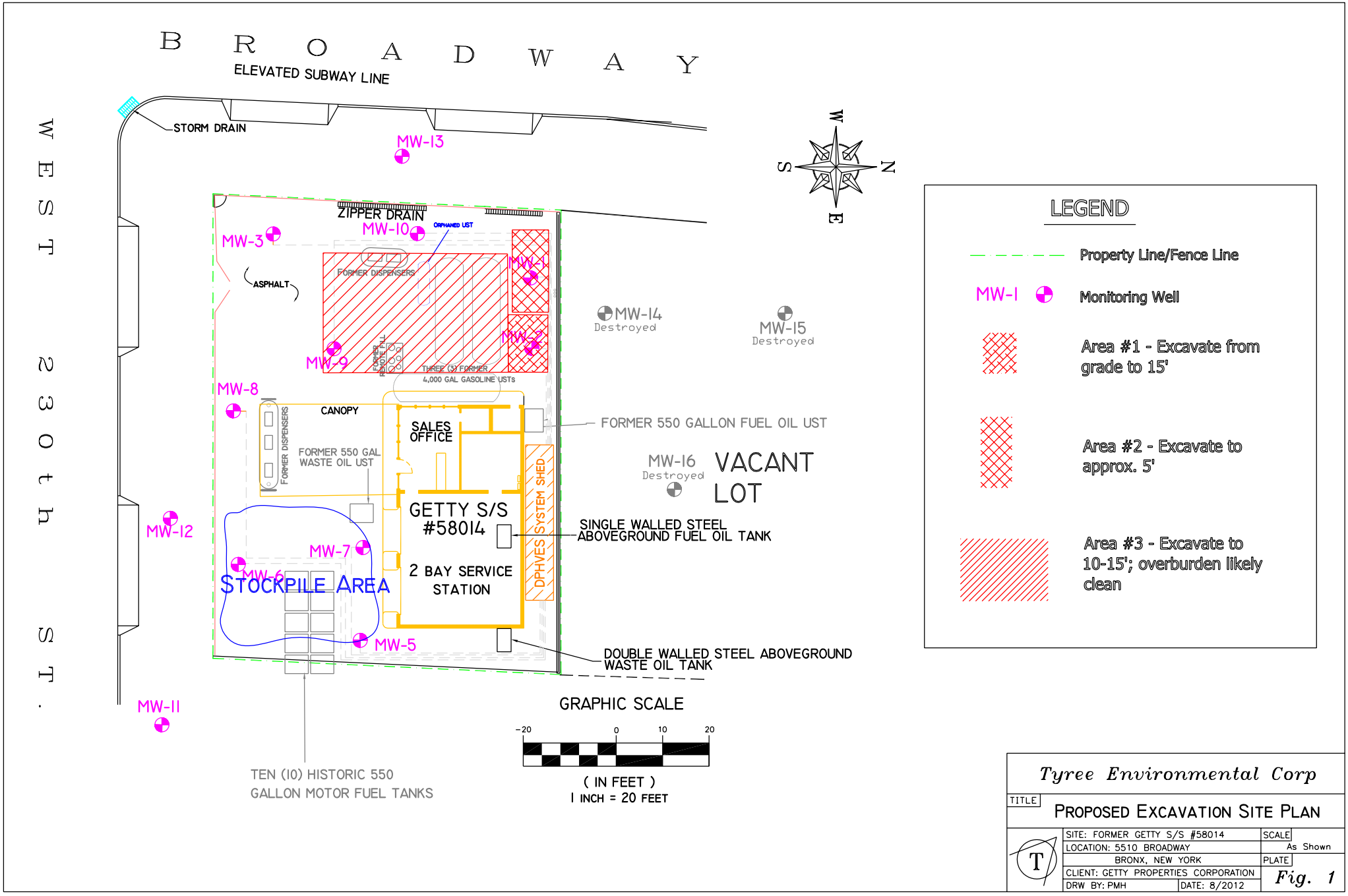
BROADWAY
ELEVATED SUBWAY LINE
WEST 230th ST.
STORM DRAIN
MW-13
ZIPPER DRAIN
MW-10
ORPHANED UST
MW-3
ASPHALT
FORMER DISPENSERS
MW-1
MW-2
MW-9
FORMER FILL
THREE (3) FORMER 4,000 GAL GASOLINE USTs
MW-14
Destroyed
MW-15
Destroyed
MW-8
CANOPY
FORMER DISPENSERS
FORMER 550 GAL WASTE OIL UST
SALES OFFICE
FORMER 550 GALLON FUEL OIL UST
MW-16
Destroyed
VACANT LOT
GETTY S/S #58014
2 BAY SERVICE STATION
SYSTEM SHED
DPHVES
SINGLE WALLED STEEL ABOVEGROUND FUEL OIL TANK
MW-12
MW-7
MW-6
STOCKPILE AREA
MW-5
DOUBLE WALLED STEEL ABOVEGROUND WASTE OIL TANK
MW-11
TEN (10) HISTORIC 550 GALLON MOTOR FUEL TANKS
GRAPHIC SCALE
-20
0
10
20
(IN FEET)
1 INCH = 20 FEET
W
S
N
E
LEGEND
Property Line/Fence Line
MW-1
Monitoring Well
Area #1 - Excavate from grade to 15'
Area #2 - Excavate to approx. 5'
Area #3 - Excavate to 10-15'; overburden likely clean
Tyree Environmental Corp
TITLE
PROPOSED EXCAVATION SITE PLAN
SITE: FORMER GETTY S/S #58014
LOCATION: 5510 BROADWAY
BRONX, NEW YORK
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: PMH
DATE: 8/2012
SCALE
As Shown
PLATE
Fig. 1

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-1	3/31/03	99.94	NFP	11.02	0.00	11.02	88.92
	6/12/03	99.94	NFP	10.32	0.00	10.32	89.62
	9/18/03	99.94	NFP	11.63	0.00	11.63	88.31
	12/2/03	99.94	NFP	11.45	0.00	11.45	88.49
	3/16/04	99.94	NFP	11.33	0.00	11.33	88.61
	7/7/04	99.94	NFP	11.78	0.00	11.78	88.16
	9/29/04	99.94	NFP	10.52	0.00	10.52	89.42
	6/27/05	99.94	NFP	11.69	0.00	11.69	88.25
	9/19/05	99.94	NFP	12.52	0.00	12.52	87.42
	12/15/05	99.94	NFP	11.16	0.00	11.16	88.78
	3/28/06	99.94	NFP	11.49	0.00	11.49	88.45
	6/15/06	99.94	NFP	10.64	0.00	10.64	89.30
	9/26/06	99.94	NFP	11.61	0.00	11.61	88.33
	12/11/06	99.94	NFP	11.18	0.00	11.18	88.76
	3/13/07	99.94	NFP	11.16	0.00	11.16	88.78
	6/15/07	99.94	NFP	11.14	0.00	11.14	88.80
	10/1/07	99.94	NFP	12.22	0.00	12.22	87.72
	12/26/07	99.94	NFP	11.41	0.00	11.41	88.53
	5/2/08	99.94	NFP	11.35	0.00	11.35	88.59
	6/23/08	99.94	NFP	11.68	0.00	11.68	88.26
	10/31/08	99.94	NFP	12.02	0.00	12.02	87.92
	1/28/09	99.94	NFP	11.27	0.00	11.27	88.67
	2/20/09	99.94	NFP	11.60	0.00	11.60	88.34
	3/24/09	99.94	NFP	11.88	0.00	11.88	88.06
	4/23/09	99.94	NFP	10.71	0.00	10.71	89.23
	5/26/09	99.94	NFP	11.15	0.00	11.15	88.79
	6/11/09	99.94	NFP	11.03	0.00	11.03	88.91
	6/26/09	99.94	NFP	10.46	0.00	10.46	89.48
	7/14/09	99.94	NFP	10.90	0.00	10.90	89.04
	8/20/09	99.94	NFP	11.04	0.00	11.04	88.90
	9/30/09	99.94	NFP	11.36	0.00	11.36	88.58
	10/23/09	99.94	NFP	11.78	0.00	11.78	88.16
	11/21/09	99.94	NFP	10.98	0.00	10.98	88.96
	1/4/10	99.94	NFP	8.24	0.00	8.24	91.70
	1/26/10	99.94	NFP	9.15	0.00	9.15	90.79
	2/24/10	99.94	NFP	8.20	0.00	8.20	91.74
	3/26/10	99.94	NA	NA	NA	NA	NA
	4/26/10	99.94	NFP	9.50	0.00	9.50	90.44
	5/24/10	99.94	NFP	10.47	0.00	10.47	89.47
	6/11/10	99.94	NFP	10.87	0.00	10.87	89.07
	7/22/10	99.94	NA	NA	NA	NA	NA
	8/26/10	99.94	NFP	8.17	0.00	8.17	91.77
	9/20/10	99.94	NFP	8.17	0.00	8.17	91.77
	10/22/10	99.94	NFP	8.07	0.00	8.07	91.87
	11/28/10	99.94	NFP	8.23	0.00	8.23	91.71
	2/15/11	99.94	NFP	8.44	0.00	8.44	91.50
	5/26/11	99.94	NFP	9.76	0.00	9.76	90.18
	7/20/11	99.94	NFP	11.30	0.00	11.30	88.64
	8/26/11	99.94	NFP	10.31	0.00	10.31	89.63
	9/19/11	99.94	NFP	10.12	0.00	10.12	89.82
	10/17/11*	99.87	NFP	10.46	0.00	10.46	89.41
	11/18/11	99.87	NFP	10.76	0.00	10.76	89.11
	2/9/12	99.87	NFP	10.85	0.00	10.85	89.02
	5/21/12	99.87	NFP	10.67	0.00	10.67	89.20
	8/7/12	99.87	NFP	11.63	0.00	11.63	88.24

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-2	3/31/03	100.23	11.36	11.38	0.02	11.37	88.86
	6/12/03	100.23	NFP	10.78	0.00	10.78	89.45
	9/18/03	100.23	11.97	11.98	0.01	11.97	88.26
	12/2/03	100.23	NFP	11.91	0.00	11.91	88.32
	3/16/04	100.23	NFP	11.62	0.00	11.62	88.61
	7/7/04	100.23	NFP	12.28	0.00	12.28	87.95
	9/29/04	100.23	NFP	11.40	0.00	11.40	88.83
	6/27/05	100.23	NFP	12.02	0.00	12.02	88.21
	9/19/05	100.23	12.85	12.86	0.01	12.85	87.38
	12/15/05	100.23	NFP	11.45	0.00	11.45	88.78
	3/28/06	100.23	NFP	11.72	0.00	11.72	88.51
	6/15/06	100.23	NFP	10.93	0.00	10.93	89.30
	9/26/06	100.23	NFP	11.94	0.00	11.94	88.29
	12/11/06	100.23	NFP	11.46	0.00	11.46	88.77
	3/13/07	100.23	NFP	11.44	0.00	11.44	88.79
	6/15/07	100.23	NFP	11.48	0.00	11.48	88.75
	10/1/07	100.23	NFP	12.56	0.00	12.56	87.67
	12/26/07	100.23	NFP	11.62	0.00	11.62	88.61
	5/2/08	100.23	NFP	11.52	0.00	11.52	88.71
	6/23/08	100.23	NA	NA	NA	NA	NA
	10/31/08	100.23	NFP	12.18	0.00	12.18	88.05
	1/28/09	100.23	NFP	11.46	0.00	11.46	88.77
	2/20/09	100.23	NFP	11.90	0.00	11.90	88.33
	3/24/09	100.23	NFP	12.16	0.00	12.16	88.07
	4/23/09	100.23	NFP	10.88	0.00	10.88	89.35
	5/26/09	100.23	NFP	11.48	0.00	11.48	88.75
	6/11/09	100.23	NFP	11.27	0.00	11.27	88.96
	6/26/09	100.23	NFP	10.75	0.00	10.75	89.48
	7/14/09	100.23	NFP	11.21	0.00	11.21	89.02
	8/20/09	100.23	NFP	11.38	0.00	11.38	88.85
	9/30/09	100.23	NFP	11.69	0.00	11.69	88.54
	10/23/09	100.23	NFP	12.13	0.00	12.13	88.10
	11/21/09	100.23	NFP	11.28	0.00	11.28	88.95
	1/4/10	100.23	NFP	8.22	0.00	8.22	92.01
	1/26/10	100.23	NFP	9.52	0.00	9.52	90.71
	2/24/10	100.23	NFP	8.29	0.00	8.29	91.94
	3/26/10	100.23	NA	NA	NA	NA	NA
	4/26/10	100.23	NFP	9.81	0.00	9.81	90.42
	5/24/10	100.23	NFP	10.81	0.00	10.81	89.42
	6/11/10	100.23	NFP	11.22	0.00	11.22	89.01
	7/22/10	100.23	NA	NA	NA	NA	NA
	8/26/10	100.23	NFP	8.23	0.00	8.23	92.00
	9/20/10	100.23	NFP	8.29	0.00	8.29	91.94
	10/22/10	100.23	NFP	8.20	0.00	8.20	92.03
	11/18/10	100.23	NFP	8.20	0.00	8.20	92.03
	2/15/11	100.23	NFP	8.78	0.00	8.78	91.45
	5/26/11	100.23	NFP	10.27	0.00	10.27	89.96
	7/20/11	100.23	NFP	11.68	0.00	11.68	88.55
	8/26/11	100.23	NFP	10.67	0.00	10.67	89.56
	9/19/11	100.23	NFP	10.52	0.00	10.52	89.71
	10/17/11*	100.22	NFP	10.88	0.00	10.88	89.34
	11/18/11	100.22	NFP	11.09	0.00	11.09	89.13
	2/9/12	100.22	NFP	11.16	0.00	11.16	89.06
	5/21/12	100.22	NFP	9.59	0.00	9.59	90.63
	8/7/12	100.22	NFP	11.99	0.00	11.99	88.23

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
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4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-3	3/31/03	99.68	NFP	11.25	0.00	11.25	88.43
	6/12/03	99.68	NFP	10.79	0.00	10.79	88.89
	9/18/03	99.68	NFP	11.74	0.00	11.74	87.94
	12/2/03	99.68	NFP	11.50	0.00	11.50	88.18
	3/16/04	99.68	NFP	11.45	0.00	11.45	88.23
	7/7/04	99.68	NFP	11.57	0.00	11.57	88.11
	9/29/04	99.68	NFP	11.34	0.00	11.34	88.34
	6/27/05	99.68	NFP	11.82	0.00	11.82	87.86
	9/19/05	99.68	NFP	12.61	0.00	12.61	87.07
	12/15/05	99.68	NFP	11.39	0.00	11.39	88.29
	3/28/06	99.68	NFP	11.70	0.00	11.70	87.98
	6/15/06	99.68	NFP	10.81	0.00	10.81	88.87
	9/26/06	99.68	NFP	11.48	0.00	11.48	88.20
	12/11/06	99.68	NFP	11.35	0.00	11.35	88.33
	3/13/07	99.68	NFP	11.35	0.00	11.35	88.33
	6/15/07	99.68	NFP	11.35	0.00	11.35	88.33
	10/1/07	99.68	NFP	12.30	0.00	12.30	87.38
	12/26/07	99.68	NFP	11.60	0.00	11.60	88.08
	5/2/08	99.68	NFP	11.56	0.00	11.56	88.12
	6/23/08	99.68	NFP	11.62	0.00	11.62	88.06
	10/31/08	99.68	NFP	12.13	0.00	12.13	87.55
	1/28/09	99.68	NFP	11.64	0.00	11.64	88.04
	2/20/09	99.68	NFP	11.80	0.00	11.80	87.88
	3/24/09	99.68	NFP	12.14	0.00	12.14	87.54
	4/23/09	99.68	NFP	11.04	0.00	11.04	88.64
	5/26/09	99.68	NA	NA	NA	NA	NA
	6/11/09	99.68	NFP	11.08	0.00	11.08	88.60
	6/26/09	99.68	NFP	10.49	0.00	10.49	89.19
	7/14/09	99.68	NFP	10.85	0.00	10.85	88.83
	8/20/09	99.68	NA	NA	NA	NA	NA
	9/30/09	99.68	NFP	11.34	0.00	11.34	88.34
	10/23/09	99.68	NFP	11.74	0.00	11.74	87.94
	11/21/09	99.68	NFP	11.30	0.00	11.30	88.38
	1/4/10	99.68	NFP	9.28	0.00	9.28	90.40
	1/26/10	99.68	NFP	9.93	0.00	9.93	89.75
	2/24/10	99.68	NA	NA	NA	NA	NA
	3/26/10	99.68	NA	NA	NA	NA	NA
	4/26/10	99.68	NFP	10.36	0.00	10.36	89.32
	5/24/10	99.68	NFP	10.61	0.00	10.61	89.07
	6/11/10	99.68	NFP	11.02	0.00	11.02	88.66
	7/22/10	99.68	NA	NA	NA	NA	NA
	8/26/10	99.68	NFP	9.20	0.00	9.20	90.48
	9/20/10	99.68	NFP	9.16	0.00	9.16	90.52
	10/22/10	99.68	NFP	10.50	0.00	10.50	89.18
	11/18/10	99.68	NFP	9.26	0.00	9.26	90.42
	2/15/11	99.68	NFP	9.31	0.00	9.31	90.37
	5/26/11	99.68	NFP	9.91	0.00	9.91	89.77
	7/20/11	99.68	NFP	11.30	0.00	11.30	88.38
	8/26/11	99.68	NFP	10.08	0.00	10.08	89.60
	9/19/11	99.68	NFP	10.24	0.00	10.24	89.44
	10/17/11*	99.66	NFP	10.53	0.00	10.53	89.13
	11/18/11	99.66	NFP	10.83	0.00	10.83	88.83
	2/9/12	99.66	NFP	11.10	0.00	11.10	88.56
	5/21/12	99.66	NFP	11.15	0.00	11.15	88.51
	8/7/12	99.66	NFP	11.48	0.00	11.48	88.18

Notes:
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5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-5	3/31/03	102.10	NFP	13.54	0.00	13.54	88.56
	6/12/03	102.10	NFP	12.67	0.00	12.67	89.43
	9/18/03	102.10	NFP	15.71	0.00	15.71	86.39
	12/2/03	102.10	NFP	13.63	0.00	13.63	88.47
	3/16/04	102.10	NFP	13.55	0.00	13.55	88.55
	7/7/04	102.10	NFP	13.67	0.00	13.67	88.43
	9/29/04	102.10	NA	NA	NA	NA	NA
	6/27/05	102.10	NFP	13.90	0.00	13.90	88.20
	9/19/05	102.10	NFP	14.69	0.00	14.69	87.41
	12/15/05	102.10	NFP	13.50	0.00	13.50	88.60
	3/28/06	102.10	NFP	13.68	0.00	13.68	88.42
	6/15/06	102.10	NFP	13.07	0.00	13.07	89.03
	9/26/06	102.10	NFP	13.72	0.00	13.72	88.38
	12/11/06	102.10	NFP	DRY	0.00	DRY	DRY
	3/13/07	102.10	NFP	13.39	0.00	13.39	88.71
	6/15/07	102.10	NFP	13.63	0.00	13.63	88.47
	10/1/07	102.10	NFP	14.61	0.00	14.61	87.49
	12/26/07	102.10	NFP	13.66	0.00	13.66	88.44
	5/2/08	102.10	NFP	13.78	0.00	13.78	88.32
	6/23/08	102.10	NFP	14.04	0.00	14.04	88.06
	10/31/08	102.10	NFP	14.30	0.00	14.30	87.80
	1/28/09	102.10	NFP	13.83	0.00	13.83	88.27
	2/20/09	102.10	NFP	14.00	0.00	14.00	88.10
	3/24/09	102.10	NFP	14.04	0.00	14.04	88.06
	4/23/09	102.10	NFP	13.28	0.00	13.28	88.82
	5/26/09	102.10	NFP	13.48	0.00	13.48	88.62
	6/11/09	102.10	NFP	13.43	0.00	13.43	88.67
	6/26/09	102.10	NFP	12.95	0.00	12.95	89.15
	7/14/09	102.10	NFP	13.32	0.00	13.32	88.78
	8/20/09	102.10	NFP	13.46	0.00	13.46	88.64
	9/30/09	102.10	NFP	13.82	0.00	13.82	88.28
	10/23/09	102.10	NFP	14.02	0.00	14.02	88.08
	11/21/09	102.10	NFP	13.50	0.00	13.50	88.60
	1/4/10	102.10	NFP	11.54	0.00	11.54	90.56
	1/26/10	102.10	NFP	12.59	0.00	12.59	89.51
	2/24/10	102.10	NFP	11.32	0.00	11.32	90.78
	3/26/10	102.10	NA	NA	NA	NA	NA
	4/26/10	102.10	NFP	12.57	0.00	12.57	89.53
	5/24/10	102.10	NFP	13.21	0.00	13.21	88.89
	6/11/10	102.10	NFP	14.32	0.00	14.32	87.78
	7/22/10	102.10	NA	NA	NA	NA	NA
	8/26/10	102.10	NFP	11.31	0.00	11.31	90.79
	9/20/10	102.10	NFP	11.33	0.00	11.33	90.77
	10/22/10	102.10	NFP	14.31	0.00	14.31	87.79
	11/18/10	102.10	NFP	11.52	0.00	11.52	90.58
	2/15/11	102.10	NFP	11.95	0.00	11.95	90.15
	5/26/11	102.10	NFP	12.85	0.00	12.85	89.25
	7/20/11	102.10	NFP	13.69	0.00	13.69	88.41
	8/26/11	102.10	NFP	13.08	0.00	13.08	89.02
	9/19/11	102.10	NFP	13.00	0.00	13.00	89.10
	10/17/11*	102.11	NFP	13.33	0.00	13.33	88.78
	11/18/11	102.11	NFP	13.41	0.00	13.41	88.70
	2/9/12	102.11	NFP	13.47	0.00	13.47	88.64
	5/21/12	102.11	NFP	13.42	0.00	13.42	88.69
	8/7/12	102.11	NFP	14.09	0.00	14.09	88.02

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-6	3/31/03	102.60	NFP	14.61	0.00	14.61	87.99
	6/12/03	102.60	NFP	14.18	0.00	14.18	88.42
	9/18/03	102.60	NFP	14.72	0.00	14.72	87.88
	12/2/03	102.60	NFP	14.40	0.00	14.40	88.20
	3/16/04	102.60	NFP	14.62	0.00	14.62	87.98
	7/7/04	102.60	NFP	14.59	0.00	14.59	88.01
	9/29/04	102.60	NFP	13.95	0.00	13.95	88.65
	6/27/05	102.60	NFP	14.64	0.00	14.64	87.96
	9/19/05	102.60	NFP	15.64	0.00	15.64	86.96
	12/15/05	102.60	NFP	14.60	0.00	14.60	88.00
	3/28/06	102.60	NFP	14.80	0.00	14.80	87.80
	6/15/06	102.60	NFP	14.26	0.00	14.26	88.34
	9/26/06	102.60	NFP	14.78	0.00	14.78	87.82
	12/11/06	102.60	NFP	14.59	0.00	14.59	88.01
	3/13/07	102.60	NFP	14.53	0.00	14.53	88.07
	6/15/07	102.60	NFP	14.79	0.00	14.79	87.81
	10/1/07	102.60	DRY	DRY	DRY	DRY	DRY
	12/26/07	102.60	NFP	14.92	0.00	14.92	87.68
	5/2/08	102.60	NFP	15.55	0.00	15.55	87.05
	6/23/08	102.60	NA	NA	NA	NA	NA
	10/31/08	102.60	NFP	15.42	0.00	15.42	87.18
	1/28/09	102.60	NFP	14.85	0.00	14.85	87.75
	2/20/09	102.60	NFP	16.00	0.00	16.00	86.60
	3/24/09	102.60	NFP	15.28	0.00	15.28	87.32
	4/23/09	102.60	NFP	14.60	0.00	14.60	88.00
	5/26/09	102.60	NFP	14.69	0.00	14.69	87.91
	6/11/09	102.60	NFP	14.58	0.00	14.58	88.02
	6/26/09	102.60	NFP	14.23	0.00	14.23	88.37
	7/14/09	102.60	NFP	14.45	0.00	14.45	88.15
	8/20/09	102.60	NFP	14.54	0.00	14.54	88.06
	9/30/09	102.60	NFP	14.91	0.00	14.91	87.69
	10/24/09	102.60	NFP	15.18	0.00	15.18	87.42
	11/21/09	102.60	NFP	14.68	0.00	14.68	87.92
	1/4/10	102.60	NFP	13.45	0.00	13.45	89.15
	1/26/10	102.60	NFP	13.96	0.00	13.96	88.64
	2/24/10	102.60	NA	NA	NA	NA	NA
	3/26/10	102.60	NA	NA	NA	NA	NA
	4/26/10	102.60	NFP	13.97	0.00	13.97	88.63
	5/24/10	102.60	NFP	13.14	0.00	13.14	89.46
	6/11/10	102.60	NFP	14.62	0.00	14.62	87.98
	7/22/10	102.60	NA	NA	NA	NA	NA
	8/26/10	102.60	NFP	10.10	0.00	10.10	92.50
	9/20/10	102.60	NFP	13.29	0.00	13.29	89.31
	10/22/10	102.60	NFP	14.59	0.00	14.59	88.01
	11/18/10	102.60	NFP	13.14	0.00	13.14	89.46
	2/15/11	102.60	NFP	12.78	0.00	12.78	89.82
	5/26/11	102.60	NFP	13.88	0.00	13.88	88.72
	7/20/11	102.60	NFP	14.69	0.00	14.69	87.91
	8/26/11	102.60	NFP	14.09	0.00	14.09	88.51
	9/19/11	102.60	NFP	13.99	0.00	13.99	88.61
	10/17/11*	104.57	NFP	14.30	0.00	14.30	90.27
	11/18/11	104.57	NFP	14.47	0.00	14.47	90.10
	2/9/12	104.57	NFP	14.54	0.00	14.54	90.03
	5/21/12	104.57	NFP	14.55	0.00	14.55	90.02
	8/7/12	104.57	NFP	15	0.00	15.00	89.57

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-7	3/31/03	101.98	NFP	13.65	0.00	13.65	88.33
	6/12/03	101.98	NFP	13.01	0.00	13.01	88.97
	9/18/03	101.98	NFP	14.09	0.00	14.09	87.89
	12/2/03	101.98	NFP	13.82	0.00	13.82	88.16
	3/16/04	101.98	NFP	13.69	0.00	13.69	88.29
	7/7/04	101.98	NFP	14.05	0.00	14.05	87.93
	9/29/04	101.98	NFP	13.68	0.00	13.68	88.30
	6/27/05	101.98	NFP	14.06	0.00	14.06	87.92
	9/19/05	101.98	NFP	14.82	0.00	14.82	87.16
	12/15/05	101.98	NFP	13.63	0.00	13.63	88.35
	3/28/06	101.98	NFP	13.92	0.00	13.92	88.06
	6/15/06	101.98	NFP	13.24	0.00	13.24	88.74
	9/26/06	101.98	NFP	14.92	0.00	14.92	87.06
	12/11/06	101.98	NFP	13.64	0.00	13.64	88.34
	3/13/07	101.98	NFP	13.59	0.00	13.59	88.39
	6/15/07	101.98	NFP	13.75	0.00	13.75	88.23
	10/1/07	101.98	NFP	14.64	0.00	14.64	87.34
	12/26/07	101.98	NFP	14.08	0.00	14.08	87.90
	5/2/08	101.98	NFP	13.93	0.00	13.93	88.05
	6/23/08	101.98	NFP	14.19	0.00	14.19	87.79
	10/31/08	101.98	NFP	14.56	0.00	14.56	87.42
	1/28/09	101.98	NFP	13.95	0.00	13.95	88.03
	2/20/09	101.98	NFP	14.30	0.00	14.30	87.68
	3/24/09	101.98	NA	NA	NA	NA	NA
	4/23/09	101.98	NFP	13.63	0.00	13.63	88.35
	5/26/09	101.98	NFP	13.66	0.00	13.66	88.32
	6/11/09	101.98	NFP	13.61	0.00	13.61	88.37
	6/26/09	101.98	NFP	13.07	0.00	13.07	88.91
	7/14/09	101.98	NFP	13.40	0.00	13.40	88.58
	8/20/09	101.98	NFP	13.52	0.00	13.52	88.46
	9/30/09	101.98	NFP	13.94	0.00	13.94	88.04
	10/24/09	101.98	NFP	14.20	0.00	14.20	87.78
	11/21/09	101.98	NFP	13.52	0.00	13.52	88.46
	1/4/10	101.98	NFP	10.43	0.00	10.43	91.55
	1/26/10	101.98	NFP	12.16	0.00	12.16	89.82
	2/24/10	101.98	NFP	10.34	0.00	10.34	91.64
	3/26/10	101.98	NA	NA	NA	NA	NA
	4/26/10	101.98	NFP	11.86	0.00	11.86	90.12
	5/24/10	101.98	NFP	13.11	0.00	13.11	88.87
	6/11/10	101.98	NFP	13.26	0.00	13.26	88.72
	7/22/10	101.98	NA	NA	NA	NA	NA
	8/26/10	101.98	NFP	10.29	0.00	10.29	91.69
	9/20/10	101.98	NFP	10.33	0.00	10.33	91.65
	10/22/10	101.98	NFP	13.28	0.00	13.28	88.70
	11/18/10	101.98	NFP	10.41	0.00	10.41	91.57
	2/15/11	101.98	NFP	12.08	0.00	12.08	89.90
	5/26/11	101.98	NFP	12.58	0.00	12.58	89.40
	7/20/11	101.98	NFP	13.73	0.00	13.73	88.25
	8/26/11	101.98	NFP	12.76	0.00	12.76	89.22
	9/19/11	101.98	NFP	12.84	0.00	12.84	89.14
	10/17/11*	101.99	NFP	13.21	0.00	13.21	88.78
	11/18/11	101.99	NFP	13.39	0.00	13.39	88.60
	2/9/12	101.99	NFP	13.85	0.00	13.85	88.14
	5/21/12	101.99	NFP	13.14	0.00	13.14	88.85
	8/7/12	101.99	NFP	14.03	0.00	14.03	87.96

Notes:
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5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-8	3/31/03	101.22	NFP	13.02	0.00	13.02	88.20
	6/12/03	101.22	NFP	12.34	0.00	12.34	88.88
	9/18/03	101.22	NFP	13.23	0.00	13.23	87.99
	12/2/03	101.22	NFP	13.10	0.00	13.10	88.12
	3/16/04	101.22	NFP	13.22	0.00	13.22	88.00
	7/7/04	101.22	NFP	13.39	0.00	13.39	87.83
	9/29/04	101.22	NFP	12.93	0.00	12.93	88.29
	6/27/05	101.22	NFP	13.41	0.00	13.41	87.81
	9/19/05	101.22	NFP	14.12	0.00	14.12	87.10
	12/15/05	101.22	NFP	13.04	0.00	13.04	88.18
	3/28/06	101.22	NFP	13.32	0.00	13.32	87.90
	6/15/06	101.22	NFP	12.46	0.00	12.46	88.76
	9/26/06	101.22	NFP	13.17	0.00	13.17	88.05
	12/11/06	101.22	NFP	12.92	0.00	12.92	88.30
	3/13/07	101.22	NFP	13.01	0.00	13.01	88.21
	6/15/07	101.22	NFP	13.00	0.00	13.00	88.22
	10/1/07	101.22	NFP	13.87	0.00	13.87	87.35
	12/26/07	101.22	NFP	13.49	0.00	13.49	87.73
	5/2/08	101.22	NFP	13.40	0.00	13.40	87.82
	6/23/08	101.22	NFP	13.54	0.00	13.54	87.68
	10/31/08	101.22	NFP	13.94	0.00	13.94	87.28
	1/28/09	101.22	NFP	13.40	0.00	13.40	87.82
	2/20/09	101.22	NA	NA	NA	NA	NA
	3/24/09	101.22	NFP	13.88	0.00	13.88	87.34
	4/23/09	101.22	NFP	13.12	0.00	13.12	88.10
	5/26/09	101.22	NFP	13.12	0.00	13.12	88.10
	6/11/09	101.22	NFP	13.02	0.00	13.02	88.20
	6/26/09	101.22	NFP	12.46	0.00	12.46	88.76
	7/14/09	101.22	NFP	13.46	0.00	13.46	87.76
	8/20/09	101.22	NFP	12.67	0.00	12.67	88.55
	9/30/09	101.22	NFP	13.26	0.00	13.26	87.96
	10/24/09	101.22	NFP	13.55	0.00	13.55	87.67
	11/21/09	101.22	NFP	13.04	0.00	13.04	88.18
	1/4/10	101.22	NFP	11.38	0.00	11.38	89.84
	1/26/10	101.22	NFP	11.76	0.00	11.76	89.46
	2/24/10	101.22	NFP	11.29	0.00	11.29	89.93
	3/26/10	101.22	NFP	11.75	0.00	11.75	89.47
	4/26/10	101.22	NFP	12.19	0.00	12.19	89.03
	5/24/10	101.22	NFP	12.37	0.00	12.37	88.85
	6/11/10	101.22	NFP	12.71	0.00	12.71	88.51
	7/22/10	101.22	NFP	13.27	0.00	13.27	87.95
	8/29/10	101.22	NFP	11.30	0.00	11.30	89.92
	9/20/10	101.22	NFP	11.21	0.00	11.21	90.01
	10/22/10	101.22	NFP	12.70	0.00	12.70	88.52
	11/18/10	101.22	NFP	11.37	0.00	11.37	89.85
	2/15/11	101.22	NFP	10.98	0.00	10.98	90.24
	5/26/11	101.22	NFP	11.82	0.00	11.82	89.40
	7/20/11	101.22	NFP	12.85	0.00	12.85	88.37
	8/26/11	101.22	NFP	12.00	0.00	12.00	89.22
	9/19/11	101.22	NFP	11.89	0.00	11.89	89.33
	10/17/11*	101.26	NFP	12.32	0.00	12.32	88.94
	11/18/11	101.26	NFP	12.40	0.00	12.40	88.86
	2/9/12	101.26	NFP	12.74	0.00	12.74	88.52
	5/21/12	101.26	NFP	12.89	0.00	12.89	88.37
	8/7/12	101.26	NFP	13.25	0.00	13.25	88.01

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-9**	3/31/03	98.27	NFP	12.53	0.00	12.53	85.74
	6/12/03	98.27	NFP	11.89	0.00	11.89	86.38
	9/18/03	98.27	NFP	13.18	0.00	13.18	85.09
	12/2/03	98.27	NFP	13.10	0.00	13.10	85.17
	3/16/04	98.27	NFP	11.95	0.00	11.95	86.32
	7/7/04	98.27	NFP	13.29	0.00	13.29	84.98
	9/29/04	98.27	NFP	12.74	0.00	12.74	85.53
	6/27/05	98.27	NFP	13.19	0.00	13.19	85.08
	9/19/05	98.27	NFP	13.84	0.00	13.84	84.43
	12/15/05	98.27	NFP	12.48	0.00	12.48	85.79
	3/28/06	98.27	NFP	12.84	0.00	12.84	85.43
	6/15/06	98.27	NFP	12.13	0.00	12.13	86.14
	9/26/06	98.27	NFP	13.01	0.00	13.01	85.26
	12/11/06	98.27	NFP	12.45	0.00	12.45	85.82
	3/13/07	98.27	NFP	12.79	0.00	12.79	85.48
	6/15/07	98.27	NFP	12.65	0.00	12.65	85.62
	10/1/07	98.27	NFP	13.46	0.00	13.46	84.81
	12/26/07	98.27	NFP	13.10	0.00	13.10	85.17
	5/2/08	98.27	NFP	13.82	0.00	13.82	84.45
	6/23/08	98.27	NFP	12.98	0.00	12.98	85.29
	10/31/08	98.27	NFP	13.47	0.00	13.47	84.80
	1/28/09	98.27	NFP	12.96	0.00	12.96	85.31
	2/20/09	98.27	NFP	14.20	0.00	14.20	84.07
	3/24/09	98.27	NFP	13.46	0.00	13.46	84.81
	4/23/09	98.27	NFP	12.79	0.00	12.79	85.48
	5/26/09	98.27	NFP	12.73	0.00	12.73	85.54
	6/11/09	98.27	NFP	12.66	0.00	12.66	85.61
	6/26/09	98.27	NFP	12.09	0.00	12.09	86.18
	7/14/09	WELL DESTROYED					
	8/26/11	NSD	NFP	10.78	0.00	10.78	NC
	9/19/11	NSD	NFP	10.73	0.00	10.73	NC
	10/17/11*	100.33	NFP	11.16	0.00	11.16	89.17
	11/18/11	100.33	NFP	11.36	0.00	11.36	88.97
	2/9/12	100.33	NFP	11.53	0.00	11.53	88.80
	5/21/12	100.33	NFP	11.61	0.00	11.61	88.72
	8/7/12	100.33	NFP	12.04	0.00	12.04	88.29

Notes:
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2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011
**Monitoring well MW-9 reinstalled August 22, 2011.

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-10	3/31/03	97.08	NFP	11.00	0.00	11.00	86.08
	6/12/03	97.08	NA	NA	NA	NA	NA
	9/18/03	97.08	NFP	11.60	0.00	11.60	85.48
	12/2/03	97.08	NFP	11.65	0.00	11.65	85.43
	3/16/04	97.08	NFP	11.20	0.00	11.20	85.88
	7/7/04	97.08	NFP	11.60	0.00	11.60	85.48
	9/29/04	97.08	NFP	11.35	0.00	11.35	85.73
	6/27/05	97.08	NFP	11.56	0.00	11.56	85.52
	9/19/05	97.08	NFP	12.26	0.00	12.26	84.82
	12/15/05	97.08	NFP	11.21	0.00	11.21	85.87
	3/28/06	97.08	NA	NA	NA	NA	NA
	6/15/06	97.08	NFP	10.71	0.00	10.71	86.37
	9/26/06	97.08	NFP	11.43	0.00	11.43	85.65
	12/11/06	97.08	NA	NA	NA	NA	NA
	3/13/07	97.08	NA	NA	NA	NA	NA
	6/15/07	97.08	NFP	11.11	0.00	11.11	85.97
	10/1/07	97.08	NA	NA	NA	NA	NA
	12/26/07	97.08	NFP	11.41	0.00	11.41	85.67
	5/2/08	97.08	NFP	11.39	0.00	11.39	85.69
	6/23/08	97.08	NFP	11.50	0.00	11.50	85.58
	10/31/08	97.08	NFP	11.81	0.00	11.81	85.27
	1/28/09	97.08	NA	NA	NA	NA	NA
	2/20/09	97.08	NA	NA	NA	NA	NA
	3/24/09	97.08	NA	NA	NA	NA	NA
	4/23/09	97.08	NA	NA	NA	NA	NA
	5/26/09	97.08	NA	NA	NA	NA	NA
	6/11/09	97.08	NA	NA	NA	NA	NA
	6/26/09	97.08	NA	NA	NA	NA	NA
	7/14/09	97.08	NFP	10.74	0.00	10.74	86.34
	8/20/09	97.08	NFP	10.83	0.00	10.83	86.25
	9/30/09	97.08	NFP	11.11	0.00	11.11	85.97
	10/24/09	97.08	NFP	11.56	0.00	11.56	85.52
	11/21/09	97.08	NFP	11.05	0.00	11.05	86.03
	1/4/10	97.08	NFP	8.81	0.00	8.81	88.27
	1/26/10	97.08	NFP	9.60	0.00	9.60	87.48
	2/24/10	97.08	NFP	8.79	0.00	8.79	88.29
	3/26/10	97.08	NA	NA	NA	NA	NA
	4/26/10	97.08	NFP	9.89	0.00	9.89	87.19
	5/24/10	97.08	NFP	10.40	0.00	10.40	86.68
	6/11/10	97.08	NFP	10.75	0.00	10.75	86.33
	7/22/10	97.08	NA	NA	NA	NA	NA
	8/26/10	97.08	NFP	8.65	0.00	8.65	88.43
	9/20/10	97.08	NFP	8.69	0.00	8.69	88.39
	10/22/10	97.08	NFP	10.23	0.00	10.23	86.85
	11/18/10	97.08	NFP	8.79	0.00	8.79	88.29
	2/15/11	97.08	NFP	9.01	0.00	9.01	88.07
	5/26/11	97.08	NFP	9.71	0.00	9.71	87.37
	7/20/11	97.08	NFP	11.11	0.00	11.11	85.97
	8/26/11	97.08	NFP	10.05	0.00	10.05	87.03
	9/10/11	97.08	NFP	10.06	0.00	10.06	87.02
	10/17/11*	99.53	NFP	10.39	0.00	10.39	89.14
	11/18/11	99.53	NFP	10.72	0.00	10.72	88.81
	2/9/12	99.53	NFP	10.87	0.00	10.87	88.66
	5/21/12	99.53	NFP	11.92	0.00	11.92	87.61
	8/7/12	99.53	NFP	11.36	0.00	11.36	88.17

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-11	12/15/05	NSD	NFP	15.35	0.00	15.35	NC
	3/28/06	NSD	NFP	15.40	0.00	15.40	NC
	6/15/06	103.47	NFP	14.90	0.00	14.90	88.57
	9/26/06	103.47	NFP	15.41	0.00	15.41	88.06
	12/11/06	103.47	NFP	15.22	0.00	15.22	88.25
	3/13/07	103.47	NFP	15.19	0.00	15.19	88.28
	6/15/07	103.47	NFP	15.56	0.00	15.56	87.91
	10/1/07	103.47	NFP	16.56	0.00	16.56	86.91
	12/26/07	103.47	NFP	15.48	0.00	15.48	87.99
	5/2/08	103.47	NFP	16.88	0.00	16.88	86.59
	6/23/08	103.47	NFP	15.97	0.00	15.97	87.50
	10/31/08	103.47	NFP	16.40	0.00	16.40	87.07
	1/28/09	103.47	NFP	15.96	0.00	15.96	87.51
	2/20/09	103.47	NFP	15.90	0.00	15.90	87.57
	3/24/09	103.47	NFP	16.08	0.00	16.08	87.39
	4/23/09	103.47	NFP	15.15	0.00	15.15	88.32
	5/26/09	103.47	NFP	15.26	0.00	15.26	88.21
	6/11/09	103.47	NFP	15.17	0.00	15.17	88.30
	6/26/09	103.47	NFP	14.80	0.00	14.80	88.67
	7/14/09	103.47	NFP	15.16	0.00	15.16	88.31
	8/20/09	103.47	NFP	15.22	0.00	15.22	88.25
	9/30/09	103.47	NFP	15.61	0.00	15.61	87.86
	10/24/09	103.47	NFP	15.97	0.00	15.97	87.50
	11/21/09	103.47	NFP	15.33	0.00	15.33	88.14
	1/4/10	103.47	NFP	14.12	0.00	14.12	89.35
	1/26/10	103.47	NFP	14.41	0.00	14.41	89.06
	2/24/10	103.47	NFP	13.02	0.00	13.02	90.45
	3/26/10	103.47	NFP	14.29	0.00	14.29	89.18
	4/26/10	103.47	NFP	14.85	0.00	14.85	88.62
	5/24/10	103.47	NFP	15.00	0.00	15.00	88.47
	6/11/10	103.47	NFP	15.27	0.00	15.27	88.20
	7/22/10	103.47	NFP	15.87	0.00	15.87	87.60
	8/26/10	103.47	NFP	13.07	0.00	13.07	90.40
	9/20/10	103.47	NFP	13.09	0.00	13.09	90.38
	10/22/10	103.47	NFP	13.20	0.00	13.20	90.27
	11/18/10	103.47	NFP	14.11	0.00	14.11	89.36
	2/15/11	103.47	NFP	13.76	0.00	13.76	89.71
	5/26/11	103.47	NFP	14.49	0.00	14.49	88.98
	7/20/11	103.47	NFP	15.54	0.00	15.54	87.93
	8/26/11	103.47	NFP	14.76	0.00	14.76	88.71
	9/19/11	103.47	NFP	14.67	0.00	14.67	88.80
	10/17/11*	103.49	NFP	15.00	0.00	15.00	88.49
	11/18/11	103.49	NFP	15.09	0.00	15.09	88.40
	2/9/12	103.49	NFP	15.13	0.00	15.13	88.36
	5/21/12	103.49	NFP	15.30	0.00	15.30	88.19
	8/7/12	103.49	NFP	15.85	0.00	15.85	87.64

Notes:
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*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-12	12/15/05	NSD	NFP	13.84	0.00	13.84	NC
	3/28/06	NSD	NFP	14.00	0.00	14.00	NC
	6/15/06	101.88	NFP	13.12	0.00	13.12	88.76
	9/26/06	101.88	NFP	13.78	0.00	13.78	88.10
	12/11/06	101.88	NFP	13.61	0.00	13.61	88.27
	3/13/07	101.88	NFP	13.65	0.00	13.65	88.23
	6/15/07	101.88	NFP	13.78	0.00	13.78	88.10
	10/1/07	101.88	NFP	14.67	0.00	14.67	87.21
	12/26/07	101.88	NFP	14.01	0.00	14.01	87.87
	5/2/08	101.88	NFP	14.21	0.00	14.21	87.67
	6/23/08	101.88	NFP	14.26	0.00	14.26	87.62
	10/31/08	101.88	NFP	14.62	0.00	14.62	87.26
	1/28/09	101.88	NFP	14.18	0.00	14.18	87.70
	2/20/09	101.88	NFP	14.10	0.00	14.10	87.78
	3/24/09	101.88	NFP	14.53	0.00	14.53	87.35
	4/23/09	101.88	NFP	13.77	0.00	13.77	88.11
	5/26/09	101.88	NFP	13.77	0.00	13.77	88.11
	6/11/09	101.88	NFP	13.68	0.00	13.68	88.20
	6/26/09	101.88	NFP	13.12	0.00	13.12	88.76
	7/14/09	101.88	NFP	13.40	0.00	13.40	88.48
	8/20/09	101.88	NFP	13.39	0.00	13.39	88.49
	9/30/09	101.88	NFP	14.04	0.00	14.04	87.84
	10/24/09	101.88	NFP	14.27	0.00	14.27	87.61
	11/21/09	101.88	NFP	13.77	0.00	13.77	88.11
	1/4/10	101.88	NFP	12.02	0.00	12.02	89.86
	1/26/10	101.88	NFP	12.42	0.00	12.42	89.46
	2/24/10	101.88	NFP	12.09	0.00	12.09	89.79
	3/26/10	101.88	NFP	12.36	0.00	12.36	89.52
	4/26/10	101.88	NFP	12.88	0.00	12.88	89.00
	5/24/10	101.88	NFP	13.09	0.00	13.09	88.79
	6/11/10	101.88	NFP	13.61	0.00	13.61	88.27
	7/22/10	101.88	NFP	14.09	0.00	14.09	87.79
	8/26/10	101.88	NFP	12.00	0.00	12.00	89.88
	9/20/10	101.88	NFP	12.05	0.00	12.05	89.83
	10/22/10	101.88	NFP	13.54	0.00	13.54	88.34
	11/18/10	101.88	NFP	12.02	0.00	12.02	89.86
	2/15/11	101.88	NFP	11.63	0.00	11.63	90.25
	5/26/11	101.88	NFP	12.50	0.00	12.50	89.38
	7/20/11	101.88	NFP	13.74	0.00	13.74	88.14
	8/26/11	101.88	NFP	12.64	0.00	12.64	89.24
	9/19/11	101.88	NFP	12.53	0.00	12.53	89.35
	10/17/11*	101.90	NFP	13.00	0.00	13.00	88.90
	11/18/11	101.90	NFP	13.10	0.00	13.10	88.80
	2/9/12	101.90	NFP	13.50	0.00	13.50	88.40
	5/21/12	101.90	NFP	13.69	0.00	13.69	88.21
	8/7/12	101.90	NFP	14.07	0.00	14.07	87.83

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
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*All monitoring wells re-surveyed on October 17, 2011

TABLE 1.
HISTORICAL SUMMARY OF GROUNDWATER ELEVATION GAUGING DATA

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-13	12/15/05	NSD	NFP	11.19	0.00	11.19	NC
	3/28/06	NSD	NFP	11.46	0.00	11.46	NC
	6/15/06	99.47	NFP	10.73	0.00	10.73	88.74
	9/26/06	99.47	NFP	11.43	0.00	11.43	88.04
	12/11/06	99.47	NFP	11.13	0.00	11.13	88.34
	3/13/07	99.47	NFP	11.14	0.00	11.14	88.33
	6/15/07	99.47	NFP	11.07	0.00	11.07	88.40
	10/1/07	99.47	NFP	12.00	0.00	12.00	87.47
	12/26/07	99.47	NFP	11.29	0.00	11.29	88.18
	5/2/08	99.47	NFP	11.33	0.00	11.33	88.14
	6/23/08	99.47	NFP	11.45	0.00	11.45	88.02
	10/31/08	99.47	NFP	11.80	0.00	11.80	87.67
	1/28/09	99.47	NFP	10.74	0.00	10.74	88.73
	2/20/09	99.47	NFP	14.50	0.00	14.50	84.97
	3/24/09	99.47	NFP	11.75	0.00	11.75	87.72
	5/26/09	99.47	NFP	11.12	0.00	11.12	88.35
	6/11/09	99.47	NFP	10.80	0.00	10.80	88.67
	6/26/09	99.47	NFP	10.41	0.00	10.41	89.06
	7/14/09	99.47	NFP	10.80	0.00	10.80	88.67
	8/20/09	99.47	NFP	10.97	0.00	10.97	88.50
	9/30/09	99.47	NFP	11.25	0.00	11.25	88.22
	10/24/09	99.47	NFP	11.65	0.00	11.65	87.82
	11/21/09	99.47	NFP	11.07	0.00	11.07	88.40
	1/4/10	99.47	NFP	9.27	0.00	9.27	90.20
	1/26/10	99.47	NFP	9.89	0.00	9.89	89.58
	2/24/10	99.47	NFP	9.36	0.00	9.36	90.11
	3/26/10	99.47	NFP	10.07	0.00	10.07	89.40
	4/26/10	99.47	NFP	10.02	0.00	10.02	89.45
	5/24/10	99.47	NFP	10.61	0.00	10.61	88.86
	6/11/10	99.47	NFP	11.00	0.00	11.00	88.47
	7/22/10	99.47	NFP	11.45	0.00	11.45	88.02
	8/26/10	99.47	NFP	9.27	0.00	9.27	90.20
	9/20/10	99.47	NFP	9.41	0.00	9.41	90.06
	10/22/10	99.47	NFP	11.00	0.00	11.00	88.47
	11/18/10	99.47	NFP	9.29	0.00	9.29	90.18
	2/15/11	99.47	NFP	9.36	0.00	9.36	90.11
	5/26/11	99.47	NFP	10.20	0.00	10.20	89.27
	7/20/11	99.47	NFP	11.23	0.00	11.23	88.24
	8/26/11	99.47	NFP	10.42	0.00	10.42	89.05
	9/19/11	99.47	NFP	9.42	0.00	9.42	90.05
	10/17/11*	99.42	NFP	10.57	0.00	10.57	88.85
	11/18/11	99.42	NFP	10.80	0.00	10.80	88.62
	2/9/12	99.42	NFP	10.97	0.00	10.97	88.45
	5/21/12	99.42	NFP	10.98	0.00	10.98	88.44
	8/7/12	99.42	NFP	11.50	0.00	11.50	87.92

Notes:
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TABLE 1.
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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-14	12/15/05	NSD	NFP	10.47	0.00	10.47	NC
	3/28/06	NSD	NFP	10.67	0.00	10.67	NC
	6/15/06	100.26	NFP	9.70	0.00	9.70	90.56
	9/26/06	100.26	NFP	10.79	0.00	10.79	89.47
	12/11/06	100.26	NA	NA	NA	NA	NA
	3/13/07	100.26	NA	NA	NA	NA	NA
	6/15/07	100.26	NFP	10.18	0.00	10.18	90.08
	10/1/07	100.26	NA	NA	NA	NA	NA
	12/26/07	100.26	NA	NA	NA	NA	NA
	5/2/08	100.26	NFP	10.43	0.00	10.43	89.83
	6/23/08	100.26	NFP	11.88	0.00	11.88	88.38
	10/31/08	100.26	NFP	11.18	0.00	11.18	89.08
	1/28/09	100.26	NA	NA	NA	NA	NA
	2/20/09	100.26	NA	NA	NA	NA	NA
	5/26/09	100.26	NA	NA	NA	NA	NA
	6/11/09	100.26	NA	NA	NA	NA	NA
	6/26/09	100.26	NA	NA	NA	NA	NA
	7/14/09	100.26	NFP	10.08	0.00	10.08	90.18
	8/20/09	100.26	NFP	10.38	0.00	10.38	89.88
	9/30/09	100.26	NFP	10.76	0.00	10.76	89.50
	10/24/09	100.26	NFP	11.05	0.00	11.05	89.21
	11/21/09	100.26	NFP	10.48	0.00	10.48	89.78
	1/4/10	100.26	NA	NA	NA	NA	NA
	1/26/10	100.26	NFP	9.47	0.00	9.47	90.79
	2/24/10	100.26	NA	NA	NA	NA	NA
	3/26/10	100.26	NA	NA	NA	NA	NA
	4/26/10	100.26	NA	NA	NA	NA	NA
	5/24/10	100.26	NA	NA	NA	NA	NA
	6/11/10	100.26	NA	NA	NA	NA	NA
	7/22/10	100.26	NA	NA	NA	NA	NA
	8/26/10	100.26	NA	NA	NA	NA	NA
	9/20/10	100.26	NA	NA	NA	NA	NA
	10/22/10	COULD NOT BE LOCATED					
	11/18/10	WELL DESTROYED					

Notes:
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2.) NC - Groundwater elevation not calculated
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Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-15	12/15/05	NSD	NFP	10.83	0.00	10.83	NC
	3/28/06	NSD	NFP	10.94	0.00	10.94	NC
	6/15/06	100.26	NFP	10.02	0.00	10.02	90.24
	9/26/06	100.26	NFP	11.02	0.00	11.02	89.24
	12/11/06	100.26	NA	NA	NA	NA	NA
	3/13/07	100.26	NA	NA	NA	NA	NA
	6/15/07	100.26	NFP	10.48	0.00	10.48	89.78
	10/1/07	100.26	NA	NA	NA	NA	NA
	12/26/07	100.26	NA	NA	NA	NA	NA
	5/2/08	100.26	NFP	10.72	0.00	10.72	89.54
	6/23/08	100.26	NFP	11.15	0.00	11.15	89.11
	10/31/08	100.26	NFP	11.51	0.00	11.51	88.75
	1/28/09	100.26	NA	NA	NA	NA	NA
	2/20/09	100.26	NA	NA	NA	NA	NA
	5/26/09	100.26	NA	NA	NA	NA	NA
	6/11/09	100.26	NA	NA	NA	NA	NA
	6/26/09	100.26	NFP	9.80	0.00	9.80	90.46
	7/14/09	100.26	NFP	10.35	0.00	10.35	89.91
	8/20/09	100.26	NFP	10.52	0.00	10.52	89.74
	9/30/09	100.26	NFP	11.05	0.00	11.05	89.21
	10/24/09	100.26	NFP	11.35	0.00	11.35	88.91
	11/21/09	100.26	NFP	10.78	0.00	10.78	89.48
	1/4/10	100.26	NA	NA	NA	NA	NA
	1/26/10	100.26	NFP	9.63	0.00	9.63	90.63
	2/24/10	100.26	NA	NA	NA	NA	NA
	3/26/10	100.26	NA	NA	NA	NA	NA
	4/26/10	100.26	NA	NA	NA	NA	NA
	5/24/10	100.26	NA	NA	NA	NA	NA
	6/11/10	100.26	NA	NA	NA	NA	NA
	7/22/10	100.26	NA	NA	NA	NA	NA
	8/26/10	100.26	NA	NA	NA	NA	NA
	9/20/10	100.26	NA	NA	NA	NA	NA
	10/22/10	COULD NOT BE LOCATED					
	11/18/10	WELL DESTROYED					

Notes:
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Bronx, New York

(All measurements are in decimal feet)

Well ID	Well Gauging Date	Top of Well Casing Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	D.T.W. Corrected for Product (ft)	Relative Groundwater Elevation (ft)
MW-16	12/15/05	NSD	NFP	10.22	0.00	10.22	NC
	3/28/06	NSD	NFP	10.39	0.00	10.39	NC
	6/15/06	100.45	NFP	9.71	0.00	9.71	90.74
	9/26/06	100.45	NFP	10.64	0.00	10.64	89.81
	12/11/06	100.45	NA	NA	NA	NA	NA
	3/13/07	100.45	NA	NA	NA	NA	NA
	6/15/07	100.45	NFP	9.95	0.00	9.95	90.50
	10/1/07	100.45	NA	NA	NA	NA	NA
	12/26/07	100.45	NA	NA	NA	NA	NA
	5/2/08	100.45	NFP	10.26	0.00	10.26	90.19
	6/23/08	100.45	NFP	10.75	0.00	10.75	89.70
	10/31/08	100.45	NFP	11.11	0.00	11.11	89.34
	1/28/09	100.45	NA	NA	NA	NA	NA
	2/20/09	100.45	NA	NA	NA	NA	NA
	5/26/09	100.45	NA	NA	NA	NA	NA
	6/11/09	100.45	NA	NA	NA	NA	NA
	6/26/09	100.45	NFP	9.55	0.00	9.55	90.90
	7/14/09	100.45	NFP	10.00	0.00	10.00	90.45
	8/20/09	100.45	NFP	10.29	0.00	10.29	90.16
	9/30/09	100.45	NFP	10.67	0.00	10.67	89.78
	10/24/09	100.45	NFP	10.89	0.00	10.89	89.56
	11/21/09	100.45	NFP	10.35	0.00	10.35	90.10
	1/4/10	100.45	NA	NA	NA	NA	NA
	1/26/10	100.45	NFP	9.85	0.00	9.85	90.60
	2/24/10	100.45	NA	NA	NA	NA	NA
	3/26/10	100.45	NA	NA	NA	NA	NA
	4/26/10	100.45	NA	NA	NA	NA	NA
	5/24/10	100.45	NA	NA	NA	NA	NA
	6/11/10	100.45	NA	NA	NA	NA	NA
	7/22/10	100.45	NA	NA	NA	NA	NA
	8/26/10	100.45	NA	NA	NA	NA	NA
	9/20/10	100.45	NA	NA	NA	NA	NA
	10/22/10	COULD NOT BE LOCATED					
	11/18/10	WELL DESTROYED					

Notes:
1.) NA - Well not accessible
2.) NC - Groundwater elevation not calculated
3.) NG - Not gauged
4.) DRY - Insufficient water column
5.) NFP - No free phase product detected
6.) NSD - No survey data available
*All monitoring wells re-surveyed on October 17, 2011

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	3/31/03	**25.0**	<MDL	<MDL	<MDL	25.0	**30.5**
	6/12/03	**19.2**	1.2	5.0	**8.5**	33.9	5.4
	9/18/03	**25.2**	<MDL	<MDL	0.93	26.1	**10.0**
	12/2/03	**51.0**	4.6	**8.8**	**23.3**	87.7	7.5
	3/16/04	**11.0**	<MDL	<MDL	<MDL	11.0	8.0
	7/7/04	**23.8**	<MDL	<MDL	0.69	24.5	**171**
	9/29/04	**56.0**	<MDL	<MDL	0.84	56.8	3.9
	6/27/05	**8.3**	<MDL	<MDL	<MDL	8.3	3.8
	9/19/05	**4.1**	<MDL	<MDL	0.70	4.8	4.6
	12/15/05	**5.6**	<MDL	<MDL	<MDL	5.6	4.0
	3/28/06	**1.4**	<MDL	<MDL	<MDL	ND	5.6
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	2.8
	9/26/06	**11.9**	0.67	<MDL	1.7	14.3	4.9
	12/11/06	**1.1**	<MDL	<MDL	<MDL	1.1	3.3
	3/13/07	**1.0**	<MDL	<MDL	1.7	2.7	1.3
	6/15/07	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL
	10/1/07	**5.7**	2.0	0.36	4.0	12.1	3.0
	12/26/07	**31.7**	<MDL	<MDL	4.6	36.3	2.5
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	2.8
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	2.9
	10/31/08	**3.8**	<MDL	<MDL	2.8	6.6	2.9
	4/22/09	0.99	<MDL	<MDL	<MDL	0.99	1.0
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	2.1
	2/24/10	**28.2**	3.2	1.9	**129**	162	4.7
	5/24/10	**73.8**	**95.5**	**48.9**	**175**	393	**10.2**
	8/26/10	<MDL	<MDL	<MDL	<MDL	ND	2.1
	11/18/10	**106**	4.3	**59.6**	**8.1**	178	7.4
	2/15/11	**155**	**176**	**52.5**	**180**	564	**49.0**
	5/26/11	**3.2**	0.85	2.1	2.9	9.1	1.9
	8/26/11	**8.9**	1.4	2.7	4.1	17.1	2.1
	11/18/11	**37.9**	0.33	3.4	3.0	44.6	7.2
	2/9/12	**6.6**	<MDL	0.46	0.26	7.3	2.5
	5/21/12	**5.2**	<MDL	0.56	0.90	6.7	1.5
	8/7/12	**68.7**	4.7	**33.2**	**19.1**	125.7	5.3
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
10.) <MDL - Below method detection limit*.
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-2	3/31/03	LPH	LPH	LPH	LPH	LPH	LPH
	6/12/03	**711**	**713**	**1,740**	**4,141**	7,305	**100**
	9/18/03	LPH	LPH	LPH	LPH	LPH	LPH
	12/2/03	**1,350**	**728**	**1,450**	**3,652**	7,180	**279**
	3/16/04	**1,410**	**743**	**2,100**	**5,944**	10,197	**286**
	7/7/04	**955**	**478**	**1,960**	**4,502**	7,895	**453**
	9/29/04	**1,260**	**1,080**	**2,160**	**5,139**	9,639	**529**
	6/27/05	**1,060**	**644**	**1,980**	**4,317**	8,001	**163**
	9/19/05	LPH	LPH	LPH	LPH	LPH	LPH
	12/15/05	**1,360**	**833**	**1,820**	**5,066**	9,079	**123**
	3/28/06	**701**	**316**	**1,760**	**4,211**	6,988	**67.2**
	6/15/06	**714**	**124**	**1,770**	**2,942**	5,550	**103**
	9/26/06	**586**	**217**	**967**	**1,976**	3,746	**85.0**
	12./11/06	**911**	**541**	**1,790**	**3,872**	7,114	**58.9**
	3/13/07	**497**	**144**	**1,190**	**2,230**	4,061	**28.1**
	6/15/07	**383**	**151**	**1,680**	**2,320**	4,534	<MDL
	10/1/07	**448**	**168**	**1,250**	**1,800**	3,050	**49.6**
	12/26/07	**306**	**143**	**728**	**1,240**	2,417	9.1
	5/2/28	**453**	**89.3**	**1,310**	**1,150**	3,002	**12.3**
	6/23/08	NA	NA	NA	NA	NA	NA
	10/31/08	**340**	**84.5**	**874**	**1,090**	2,389	**16.3**
	4/22/09	**296**	**216**	**1,420**	**1,860**	3,792	7.6
	7/16/09	**308**	**163**	**1,220**	**1,600**	3,291	**34.1**
	2/24/10	**125**	**86.3**	**11.1**	**48.6**	271	**29.8**
	5/24/10	**111**	**22.3**	**467**	**520**	1,120	3.9
	8/26/10	**10.8**	0.83	**5.6**	**5.0**	22.23	3.9
	11/18/10	**14.4**	0.95	**54.3**	**91.7**	161	<MDL
	2/15/11	**78.0**	3.2	**39.3**	**34.1**	155	2.9
	5/26/11	**36.0**	1.1	**44.4**	**23.4**	105	<MDL
	8/26/11	**73.2**	**5.9**	**88.6**	**79.5**	247	1.9
	11/18/11	**7.1**	0.59	**16.8**	**9.2**	33.7	0.34
	2/9/12	**51.4**	**5.6**	**117**	**82.3**	256	<MDL
	5/21/12	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	8/7/12	**15.2**	0.9	**19.6**	**7.9**	44	0.87
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
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*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-3	3/31/03	<MDL	<MDL	<MDL	<MDL	ND	**17.5**
	6/12/03	**1.4**	<MDL	<MDL	<MDL	1.4	**128**
	9/18/03	<MDL	<MDL	<MDL	<MDL	ND	**44.40**
	12/2/03	<MDL	<MDL	<MDL	<MDL	ND	**32.50**
	3/16/04	<MDL	<MDL	<MDL	<MDL	ND	**2,010**
	7/7/04	<MDL	<MDL	<MDL	<MDL	ND	**3,650**
	9/29/04	<MDL	<MDL	<MDL	<MDL	ND	**1,190**
	6/27/05	<MDL	<MDL	<MDL	<MDL	ND	**24.0**
	9/19/05	<MDL	<MDL	<MDL	<MDL	ND	**57.1**
	12/15/05	0.65	<MDL	<MDL	<MDL	0.65	**12.4**
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	7.0
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	6.2
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	3.9
	12/11/06	**1.0**	<MDL	<MDL	<MDL	1.0	5.5
	3/13/07	<MDL	<MDL	<MDL	<MDL	ND	4.3
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	2.8
	10/1/07	<MDL	<MDL	<MDL	<MDL	ND	2.0
	12/26/07	**1.3**	<MDL	<MDL	<MDL	1.3	2.0
	5/2/28	**8.6**	<MDL	<MDL	<MDL	8.6	2.7
	6/23/08	**3.7**	<MDL	<MDL	<MDL	3.7	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	1.9
	4/22/09	**2.2**	<MDL	<MDL	<MDL	2.2	0.61
	7/16/09	<MDL	<MDL	1.4	1.1	2.5	<MDL
	2/24/10	**40.4**	0.75	0.52	0.95	42.6	**74.0**
	5/24/10	**17.3**	<MDL	<MDL	<MDL	17.3	**28.1**
	8/26/10	**11.2**	1.1	0.36	0.85	13.5	**22.1**
	11/18/10	**1.9**	<MDL	<MDL	<MDL	1.9	8.5
	2/15/11	**20.3**	<MDL	<MDL	<MDL	20.3	**37.8**
	5/26/11	**53.7**	<MDL	<MDL	<MDL	53.7	<MDL
	8/26/11	<MDL	<MDL	<MDL	<MDL	ND	3.9
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	6.5
	2/9/12	<MDL	<MDL	<MDL	<MDL	ND	6.0
	5/21/12	<MDL	<MDL	<MDL	<MDL	ND	0.77
	8/7/12	<MDL	<MDL	<MDL	<MDL	ND	0.55
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-5	3/31/03	<MDL	<MDL	<MDL	<MDL	ND	**11.2**
	6/12/03	**1.1**	<MDL	<MDL	<MDL	1.1	**12.4**
	9/18/03	<MDL	<MDL	<MDL	<MDL	ND	**28.8**
	12/2/03	**1.2**	<MDL	<MDL	<MDL	1.2	**19.1**
	3/16/04	<MDL	<MDL	<MDL	<MDL	ND	**15.3**
	7/7/04	<MDL	<MDL	<MDL	<MDL	ND	9.3
	9/29/04	NA	NA	NA	NA	NA	NA
	6/27/05	<MDL	<MDL	<MDL	<MDL	ND	6.5
	9/19/05	<MDL	<MDL	<MDL	<MDL	ND	4.2
	12/15/05	0.56	<MDL	<MDL	<MDL	0.56	3.9
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	3.5
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	2.6
	12/11/06	DRY	DRY	DRY	DRY	DRY	DRY
	3/13/07	<MDL	<MDL	<MDL	2.1	2.1	1.5
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	0.28	<MDL	<MDL	<MDL	0.28	1.3
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	2.0
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	1.2
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	1.6
	4/22/09	<MDL	<MDL	<MDL	<MDL	ND	0.76
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	1.3
	2/24/10	<MDL	<MDL	<MDL	<MDL	ND	1.1
	5/24/10	<MDL	<MDL	<MDL	<MDL	ND	0.44
	8/26/10	**12.8**	1.6	**23.5**	**15.5**	53.4	2.7
	11/18/10	<MDL	<MDL	<MDL	<MDL	ND	1.4
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/26/11	<MDL	<MDL	<MDL	0.44	0.44	<MDL
	8/26/11	0.86	<MDL	<MDL	0.50	1.4	0.73
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	0.47
	2/9/12	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/21/12	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	8/7/12	<MDL	<MDL	<MDL	<MDL	ND	0.46
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
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TABLE 2.
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FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-6	3/31/03	**365**	2.4	**16.5**	**17.5**	401	**111**
	6/12/03	**27.8**	<MDL	**6.1**	3.1	37.0	5.6
	9/18/03	**397**	<MDL	**19.9**	**18.3**	435	**128**
	12/2/03	**91.0**	<MDL	**9.8**	**8.3**	109	**27.4**
	3/16/04	**29.2**	<MDL	3.1	2.9	35.1	**40.5**
	7/7/04	**13.1**	<MDL	<MDL	<MDL	13.1	**137**
	9/29/04	**59.2**	1.0	**8.2**	**5.9**	74.4	**42.8**
	6/27/05	**65.3**	0.65	1.6	3.1	70.6	**86.5**
	9/19/05	**57.6**	<MDL	3.4	3.8	64.8	**90.4**
	12/15/05	**53.5**	0.89	1.8	1.8	58.0	**44.3**
	3/28/06	**37.4**	<MDL	<MDL	<MDL	37.4	**34.1**
	6/15/06	**118**	1.7	**6.2**	**17.1**	143	**92.4**
	9/26/06	**51.2**	0.83	3.0	**12.3**	67.4	**35.7**
	12/11/06	**43.2**	<MDL	<MDL	<MDL	43.2	**20.1**
	3/13/07	**20.3**	<MDL	<MDL	1.5	21.8	**12.3**
	6/15/07	**28.7**	<MDL	<MDL	<MDL	28.7	**12.5**
	10/1/07	DRY	DRY	DRY	DRY	DRY	DRY
	12/26/07	**49.3**	1.5	<MDL	<MDL	50.8	**14.7**
	5/2/28	**40.0**	<MDL	<MDL	<MDL	40.0	**10.2**
	6/23/08	**30.0**	<MDL	1.1	**5.3**	36.4	9.7
	10/31/08	**37.3**	1.3	<MDL	2.7	41.3	**11.1**
	4/22/09	**25.4**	0.80	0.57	0.68	27.5	6.6
	7/16/09	**34.1**	2.0	**14.4**	**25.5**	76.0	5.3
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	**11.9**	<MDL	0.96	<MDL	12.9	2.2
	8/26/10	**102**	4.2	1.0	**15.8**	123	2.2
	11/18/10	**9.3**	<MDL	<MDL	0.28	9.6	0.92
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/26/11	**4.7**	<MDL	1.8	0.98	7.5	1.2
	8/26/11	**9.6**	0.36	3.0	1.4	14.4	0.82
	11/18/11	**12.9**	0.60	4.0	0.85	18.4	2.1
	2/9/12	**5.4**	<MDL	<MDL	0.40	5.8	1.9
	5/21/12	**63.1**	0.99	1.1	1.1	66.3	4.4
	8/7/12	**49**	1.2	2.1	**5.9**	58.2	2.9
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
10.) <MDL - Below method detection limit*.
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-7	3/31/03	**45.3**	<MDL	3.7	**6.1**	55.0	**27.7**
	6/12/03	**289**	**6.6**	**16.6**	**189**	501	**91.9**
	9/18/03	**394**	4.4	**6.0**	**17.1**	421	**143**
	12/2/03	**244**	3.6	**13.5**	**17.3**	278	**76.8**
	3/16/04	**420**	4.3	**29.7**	**9.1**	463	**107**
	7/7/04	**363**	4.4	**30.6**	**16.7**	415	**73.3**
	9/29/04	**353**	**5.0**	**20.2**	**11.4**	390	**74.4**
	6/27/05	**364**	3.6	**9.5**	3.0	380	**44.3**
	9/19/05	**345**	**6.3**	**12.0**	**22.5**	386	**47.2**
	12/15/05	**440**	**7.0**	4.3	**6.8**	458	**46.6**
	3/28/06	**338**	3.1	<MDL	<MDL	341	**36.2**
	6/15/06	**275**	4.8	**5.2**	**14.0**	299	**25.4**
	9/26/06	**194**	3.4	1.7	**21.0**	220	**17.7**
	12/11/06	**396**	**5.4**	4.2	**5.0**	411	**19.9**
	3/13/07	**329**	4.5	3.4	4.3	341	**18.0**
	6/15/07	**330**	4.1	**8.8**	2.3	345	**20.4**
	10/1/07	**335**	**6.5**	4.0	4.7	350	**16.7**
	12/26/07	**290**	4.0	2.1	3.3	299	**17.5**
	5/2/28	**218**	3.1	**5.5**	3.7	230	**12.9**
	6/23/08	**217**	2.5	1.1	2.6	223	**11.3**
	10/31/08	**278**	**8.2**	**8.1**	**25.7**	320	**16.9**
	4/22/09	**197**	4.3	1.8	2.9	206	9.6
	7/16/09	**224**	3.6	**7.7**	1.9	237	**18.0**
	2/24/10	0.45	<MDL	0.31	1.4	2.2	<MDL
	5/24/10	**10.9**	0.47	**8.5**	1.9	21.8	0.49
	8/26/10	**3.4**	1.8	<MDL	0.76	6.0	0.80
	11/18/10	**10.9**	<MDL	<MDL	<MDL	10.9	0.29
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/26/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	8/26/11	0.29	<MDL	<MDL	<MDL	0.29	<MDL
	11/18/11	0.76	<MDL	<MDL	<MDL	0.76	0.49
	2/9/12	0.81	<MDL	2.3	0.19	3.3	0.39
	5/21/12	**13.1**	1.0	**5.0**	1.6	20.7	0.74
	8/7/12	**1.8**	<MDL	0.5	<MDL	2.3	0.28
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
10.) <MDL - Below method detection limit*.
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-8	3/31/03	**131**	4.1	**53.6**	**79.7**	268	**35.2**
	6/12/03	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/18/03	**92.2**	3.6	**22.1**	**32.9**	151	**41.8**
	12/2/03	**28.4**	0.79	**5.8**	**8.7**	43.7	**10.4**
	3/16/04	**2.7**	<MDL	0.58	<MDL	3.3	5.2
	7/7/04	**2.6**	<MDL	<MDL	<MDL	2.6	3.8
	9/29/04	<MDL	<MDL	<MDL	<MDL	ND	**19.6**
	6/27/05	**12.8**	<MDL	0.36	2.7	15.9	5.4
	9/19/05	**31.5**	0.73	2.5	1.2	35.9	**14.5**
	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	2.1
	3/28/06	**1.1**	<MDL	<MDL	<MDL	1.1	3.2
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	0.84
	12/11/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/13/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	<MDL	<MDL	<MDL	<MDL	ND	5.0
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	3.9
	5/2/28	**2.1**	<MDL	<MDL	<MDL	2.1	1.7
	6/23/08	**21.3**	<MDL	<MDL	<MDL	21.3	5.2
	10/31/08	**34.4**	<MDL	<MDL	1.5	35.9	**34.1**
	4/22/09	**1.8**	<MDL	<MDL	<MDL	1.8	4.8
	7/16/09	**1.1**	<MDL	<MDL	<MDL	1.1	<MDL
	2/24/10	0.36	<MDL	<MDL	0.37	0.73	**56.4**
	5/24/10	<MDL	<MDL	<MDL	<MDL	ND	3.4
	8/26/10	0.42	<MDL	<MDL	<MDL	0.42	5.6
	11/18/10	<MDL	<MDL	<MDL	<MDL	ND	0.41
	2/15/11	**2.4**	<MDL	<MDL	<MDL	2.4	4.3
	5/26/11	<MDL	<MDL	<MDL	<MDL	ND	3.8
	8/26/11	0.37	<MDL	<MDL	<MDL	0.37	**11.7**
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	2.4
	2/9/12	<MDL	<MDL	<MDL	<MDL	ND	3.2
	5/21/12	<MDL	<MDL	<MDL	<MDL	ND	1.0
	8/7/12	0.68	<MDL	<MDL	<MDL	ND	3.1
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
10.) <MDL - Below method detection limit*.
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-9	3/31/03	**7,770**	<MDL	**291**	<MDL	8,061	**2,700**
	6/12/03	**2,680**	**19.1**	**107**	**227**	3,033	**1,160**
	9/18/03	**9,660**	**40.8**	**163**	**229**	10,093	**2,870**
	12/2/03	**8,790**	<MDL	**114**	**89.3**	8,993	**2,750**
	3/16/04	**2.3**	<MDL	<MDL	<MDL	2.3	**33.7**
	7/7/04	**6,730**	**29.8**	**98.8**	**43.8**	6,902	**1,850**
	9/29/04	**7,930**	**31.5**	**148**	**52.1**	8,162	**2,860**
	6/27/05	**7,300**	**37.3**	**118**	**64.7**	7,520	**1,610**
	9/19/05	**8,720**	**46.2**	**78.0**	**96.1**	8,940	**2,400**
	12/15/05	**9,630**	**50.7**	**110**	**62.0**	9,853	**2,010**
	3/28/06	**7,740**	<MDL	**114**	**107**	7,961	**1,170**
	6/15/06	**4,190**	**23.8**	**67.7**	<MDL	4,282	**949**
	9/26/06	**5,840**	**28.2**	**63.9**	**75.2**	6,007	**1,130**
	12/11/06	**6,430**	<MDL	**133**	**109**	6,672	**1,410**
	3/13/07	**6,770**	**37.6**	**52.1**	**26.1**	6,886	**938**
	6/15/07	**6,090**	**32.4**	**48.8**	**46.7**	6,218	**1,350**
	10/1/07	**7,720**	**43.1**	**47.3**	**93.0**	7,903	**1,380**
	12/26/07	**7,520**	**44.9**	**51.6**	**81.4**	7,698	**1,210**
	5/2/28	**6,070**	**48.9**	**58.6**	**86.1**	6,264	**415**
	6/23/08	**6,960**	**39.2**	**44.9**	**55.8**	7,100	**497**
	10/31/08	**6,690**	**33.5**	**49.1**	**66.9**	6,840	**1,060**
	4/22/09	**5,460**	**32.5**	**52.2**	**39.8**	5,585	**314**
	7/16/09	**3,300**	**19.2**	**63.0**	**18.5**	3,401	**531**
	2/24/10	WELL DESTROYED					
	8/26/11	**3,930**	**409**	**1,040**	**2,190**	7,569	**91.5**
	11/18/11	**3,250**	**272**	**907**	**1,770**	6,199	**104**
	2/9/12	**3,520**	**237**	**928**	**1,770**	6,455	**116**
	5/21/12	**3,570**	**218**	**886**	**1,620**	6,294	**107**
	8/7/12	**4,010**	**278**	**1,100**	**2,040**	7,428	**108**
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-10	3/31/03	<MDL	<MDL	<MDL	<MDL	NA	**22.7**
	6/12/03	NA	NA	NA	NA	NA	NA
	9/18/03	**3.0**	<MDL	<MDL	<MDL	3.0	**38.6**
	12/2/03	**8.0**	<MDL	<MDL	<MDL	8.0	**50.9**
	3/16/04	**10,200**	**62.0**	**178**	**162**	10,602	**2,620**
	7/7/04	**2.8**	<MDL	<MDL	<MDL	2.8	**80.7**
	9/29/04	<MDL	<MDL	<MDL	<MDL	ND	**320**
	6/27/05	0.63	<MDL	<MDL	<MDL	0.63	**10.6**
	9/19/05	<MDL	<MDL	<MDL	<MDL	ND	6.4
	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	1.5
	3/28/06	NA	NA	NA	NA	NA	NA
	6/15/06	**4.5**	<MDL	<MDL	<MDL	4.5	7.1
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	1.1
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	**1.6**	<MDL	<MDL	<MDL	1.6	1.2
	5/2/28	**2.1**	<MDL	<MDL	<MDL	2.1	<MDL
	6/23/08	0.63	<MDL	<MDL	<MDL	0.63	<MDL
	10/31/08	0.79	<MDL	<MDL	<MDL	0.79	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	**5.0**	<MDL	5.0	<MDL
	2/24/10	**41.5**	0.76	0.57	0.95	43.8	**75.1**
	5/24/10	**49.5**	0.30	0.74	1.1	51.6	**18.5**
	8/26/10	**6.7**	<MDL	<MDL	<MDL	6.7	**13.3**
	11/18/10	**31.1**	<MDL	<MDL	0.40	31.5	5.4
	2/15/11	**44.2**	0.54	0.64	1.1	46.5	**50.3**
	5/26/11	**48.0**	<MDL	<MDL	0.32	48.3	**92.0**
	8/26/11	**3.0**	<MDL	<MDL	<MDL	3.0	**15.9**
	11/18/11	**3.8**	0.22	<MDL	<MDL	4.0	6.4
	2/9/12	**4.3**	<MDL	<MDL	0.40	4.7	6.9
	5/21/12	0.87	<MDL	<MDL	<MDL	0.87	**10.9**
	8/7/12	<MDL	<MDL	<MDL	<MDL	0.00	4.9
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

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4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
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8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-11	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/13/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	<MDL	<MDL	<MDL	<MDL	ND	0.35
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	4/22/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	<MDL	<MDL	<MDL	<MDL	ND	4.1
	5/24/10	<MDL	<MDL	<MDL	<MDL	ND	0.63
	8/26/10	**13.0**	<MDL	<MDL	<MDL	13.0	**14.3**
	11/18/10	<MDL	<MDL	<MDL	<MDL	ND	0.97
	2/15/11	<MDL	<MDL	<MDL	<MDL	ND	1.4
	5/26/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	8/26/11	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	11/18/11	<MDL	<MDL	<MDL	<MDL	ND	0.22
	2/9/12	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/21/12	<MDL	<MDL	<MDL	<MDL	ND	0.46
	8/7/12	<MDL	<MDL	<MDL	<MDL	ND	<MDL
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
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TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-12	12/15/05	**118**	**59.2**	**502**	**2,734**	3,407	**18.4**
	3/28/06	**96.7**	<MDL	**5.3**	**1,910**	2,012	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	**2.6**	<MDL	**5.7**	**12.9**	21.2	1.0
	3/13/07	0.64	<MDL	<MDL	<MDL	0.64	<MDL
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	**109**	**6.5**	**163**	**69.8**	348	**21.3**
	12/26/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	5/2/28	**21.3**	3.7	**50.8**	**35.4**	111	4.7
	6/23/08	**45.4**	2.9	**99.3**	**24.5**	172	6.4
	10/31/08	**100**	2.5	**101**	4.7	208	**25.7**
	4/22/09	**1.6**	<MDL	0.50	<MDL	2.1	0.59
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	0.29	<MDL	<MDL	<MDL	0.29	5.5
	5/24/10	0.30	<MDL	<MDL	<MDL	0.30	**34.1**
	8/26/10	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	11/18/10	**49.4**	2.9	**15.6**	**27.5**	95.4	**36.7**
	2/15/11	**3.1**	0.30	<MDL	2.9	6.3	**24.0**
	5/26/11	**50.0**	<MDL	<MDL	0.81	50.8	**27.8**
	8/26/11	0.89	<MDL	<MDL	<MDL	0.89	4.7
	11/18/11	0.62	<MDL	0.42	0.28	1.3	3.0
	2/9/12	**2.4**	<MDL	2.4	2.0	6.8	1.7
	5/21/12	**6.1**	0.40	2.3	2.1	10.9	2.7
	8/7/12	**8.1**	0.45	3.1	2.9	14.6	6.4
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
3.) All results compared to Groundwater Standards and Guidance Values listed in NYSDEC Technical and Operational Guidance S
4.) {Bolded result} - Concentration exceeds respective NYSDEC groundwater standard.
5.) N/A - Information Not Available
6.) NA - Well not accessible.
7.) ND - BTEX constituents not detected.
8.) LPH - Liquid phase hydrocarbons detected in well; No sample collected.
9.) DRY - Well dry; No groundwater sample collected due to insufficient water yield.
10.) <MDL - Below method detection limit*.
*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

TABLE 2.
HISTORICAL SUMMARY OF QUARTERLY GROUNDWATER ANALYTICAL RESULTS

FORMER GETTY S/S #58014
5510 Broadway
Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-13	12/15/05	**6.4**	0.41	<MDL	0.74	7.5	0.86
	3/28/06	**7.1**	<MDL	<MDL	1.9	9.0	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	2.7
	9/26/06	**3.7**	<MDL	<MDL	<MDL	3.7	1.6
	12/11/06	**3.6**	<MDL	<MDL	<MDL	3.6	2.1
	3/13/07	**6.7**	<MDL	<MDL	2.4	9.1	2.5
	6/15/07	**1.5**	<MDL	<MDL	<MDL	1.5	<MDL
	10/1/07	**5.2**	0.73	1.1	2.8	9.8	0.94
	12/26/07	**10.9**	<MDL	<MDL	2.9	13.8	1.0
	5/2/28	**3.3**	<MDL	<MDL	<MDL	3.3	<MDL
	6/23/08	**7.2**	<MDL	<MDL	<MDL	7.2	<MDL
	10/31/08	**12.3**	<MDL	<MDL	<MDL	12.3	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	**11.0**	<MDL	13.1	2.2	26.3	<MDL
	2/24/10	**5.7**	<MDL	<MDL	<MDL	5.7	4.1
	5/24/10	**4.3**	<MDL	0.56	0.70	5.6	1.0
	8/26/10	<MDL	<MDL	<MDL	<MDL	ND	0.66
	11/18/10	**18.9**	1.0	1.4	2.4	23.7	<MDL
	2/15/11	**8.0**	<MDL	0.33	0.42	8.8	1.5
	5/26/11	**5.6**	<MDL	<MDL	0.56	6.2	<MDL
	8/26/11	0.89	<MDL	0.32	<MDL	1.2	4.7
	11/18/11	**9.3**	0.60	0.75	1.7	12.4	<MDL
	2/9/12	**9.1**	0.49	0.67	1.1	11.4	<MDL
	5/21/12	**5.4**	<MDL	<MDL	0.74	6.1	<MDL
	8/7/12	**11.3**	0.63	<MDL	1.7	13.6	<MDL
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
2.) Analysis performed in accordance with USEPA Method 8260.
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MW-14	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	NA	NA	NA	NA	NA	NA
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	NA	NA	NA	NA	NA	NA
	8/26/10	COULD NOT BE LOCATED					
	11/18/10	WELL PRESUMED DESTROYED					
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
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Bronx, New York

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MW-15	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/15/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	NA	NA	NA	NA	NA	NA
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/31/08	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	NA	NA	NA	NA	NA	NA
	8/26/10	COULD NOT BE LOCATED					
	11/18/10	WELL PRESUMED DESTROYED					
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
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Bronx, New York

Well ID	Sample Collection Date	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-16	12/15/05	<MDL	<MDL	<MDL	<MDL	ND	2.8
	3/28/06	<MDL	<MDL	<MDL	<MDL	ND	5.6
	9/26/06	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	12/11/06	NA	NA	NA	NA	NA	NA
	3/13/07	NA	NA	NA	NA	NA	NA
	6/15/07	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	10/1/07	NA	NA	NA	NA	NA	NA
	12/26/07	NA	NA	NA	NA	NA	NA
	5/2/28	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	6/23/08	<MDL	<MDL	<MDL	<MDL	ND	1.3
	10/31/08	NA	NA	NA	NA	NA	NA
	4/22/09	NA	NA	NA	NA	NA	NA
	7/16/09	<MDL	<MDL	<MDL	<MDL	ND	<MDL
	2/24/10	NA	NA	NA	NA	NA	NA
	5/24/10	NA	NA	NA	NA	NA	NA
	8/26/10	COULD NOT BE LOCATED					
	11/18/10	WELL PRESUMED DESTROYED					
Groundwater Standards per NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1)		1.0	5.0	5.0	5.0	No NYSDEC Groundwater Standard Listed	10.0

Notes:
1.) All results reported as parts per billion (ppb).
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*Method detection limits are below NYSDEC groundwater standards unless otherwise noted.

APPENDIX B

Citizen Participation Plan

APPENDIX B

Citizen Participation Plan

The NYC Office of Environmental Remediation and Equity One (Northeast Portfolio) Inc. have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Brownfield Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC BCP, Equity One (Northeast Portfolio) Inc. will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Hannah Moore, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 442-6372

Project Contact List

OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to

the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories

A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. Equity One (Northeast Portfolio) Inc. will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

New York City Public Library- Kingsbridge Branch
291 West 231st. Street
Bronx, N.Y. 10463

(718)-548-5656

Hours of Operation: Monday/Wednesday 11:00 AM to 7:00 PM
Tuesday/Thursday 10:00 AM to 6:00 PM
Friday/Saturday 10:00 AM to 5:00 PM

Digital Documentation

NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

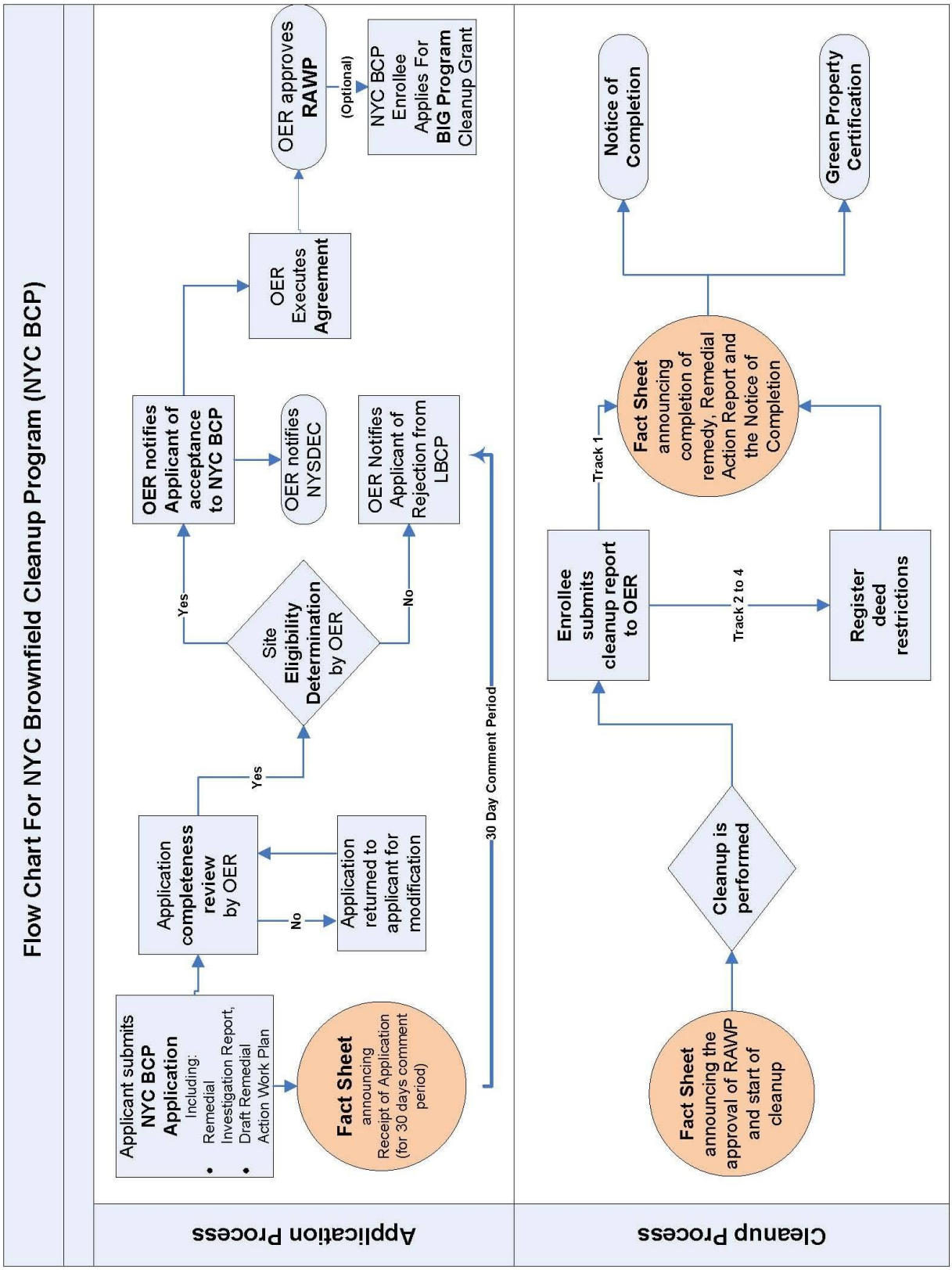
Identify Issues of Public Concern

There are no known issues of public concern associated with redeveloping a closed service station into a new retail store.

Public Notice and Public Comment

Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by Equity One (Northeast Portfolio) Inc., reviewed and

approved by OER prior to distribution and mailed by Equity One (Northeast Portfolio) Inc.. Public comment is solicited in public notices for all work plans developed under the NYC Brownfield Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.



Citizen Participation Milestones

Public notice and public comment activities occur at several steps during a typical NYC BCP project. See flow chart on the following page, which identifies when during the NYC BCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

APPENDIX C

Sustainability Statement

APPENDIX C

SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention. Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. Enrollee is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. Enrollee is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

APPENDIX D

Soil/Materials Management Plan

Appendix D

SOIL/MATERIALS MANAGEMENT PLAN

1.1 Soil Screening Methods

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 Stockpile Methods

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 Materials Excavation, Load-Out and Departure

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 Off-Site Materials Transport

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will

be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are (1) leave site and turn east on West 230 Street; (2) turn right and take the Major Deegan Expressway south; 3) go west on Cross Bronx Expressway and cross George Washington Bridge.

This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Staten Island, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The Remedial Action Report will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e., clean soil removed for development purposes), including transport to a Part 360-16 Registration Facility, a formal request will be made for approval by OER with an associated plan compliant with 6NYCRR Part 360-16. This request and plan will include the location, volume and a description of the material to be recycled, including verification that the material is not impacted by site uses and that the material complies with receipt requirements for recycling under 6NYCRR Part 360. This material will be appropriately handled on-Site to prevent mixing with impacted material.

1.7 Import of Backfill Soil from Off-Site Sources

No soil import is anticipated at this project.

1.8 Fluids Management

Dewatering will not be conducted during construction and management of fluids is not anticipated. Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.9 Storm-water Pollution Prevention

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this

RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.10 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.11 Odor, Dust and Nuisance Control

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Action Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX E

Construction Health and Safety Plan

July 3, 2013

HEALTH AND SAFETY PLAN

5510 Broadway
Bronx, New York

Prepared for

EQUITY ONE (NORTHEAST PORTFOLIO) INC.
410 Park Avenue, 12th Floor
New York, New York 10022

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

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

EQO1924.0005Y.105/CV

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APPROVALS

By their signature, the undersigned certify that this Health and Safety Plan (HASP) is approved and will be utilized at the project site located at 5510 Broadway, Bronx, New York.

Joseph Gentile — Date
Corporate Health and Safety Manager
Roux Associates, Inc.

Joseph Gavin — Date
Site Health and Safety Officer
Roux Associates, Inc.

Craig Werle — Date
Project Principal
Roux Associates, Inc.

Note: This HASP was updated July, 2012.

1.0 INTRODUCTION

This Site-specific and Safety Plan (HASP) has been prepared in accordance with 29 CFR 1910.120 Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) and Roux Associates, Inc. (Roux Associates) Standard Operating Procedures (SOPs). It addresses all activities to be performed during the implementation of Remedial Investigation (RI) activities, and Remedial Actions (RA) at 5510 Broadway, Bronx, New York (Site) (Figure 1). The HASP will be implemented by the designated Site Health and Safety Officer (SSO) during work at the Site. The HASP attempts to identify all potential hazards at the Site; however, Site conditions are dynamic and new hazards may appear constantly. Personnel must remain alert to existing and potential hazards as Site conditions change and protect themselves accordingly.

Compliance with this HASP is required of all persons and subcontractors who perform fieldwork or enter the Site. The contents of this HASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the technical scope of work. Any changes proposed must be reviewed and approved by the Corporate Health and Safety Manager (CHSM), with the SSO implementing the changes to the HASP.

Upon entering the Site, all visitors are required to sign in. All visitors entering the Contamination Reduction Zone (CRZ) (defined in Section 8.1.2), the Contamination Reduction Corridor (CRC) (defined in Section 8.1.2), or the Exclusion Zone (EZ) (defined in Section 8.1.3) will be required to read and comply with the provisions of this HASP. Visitors will be required to comply with applicable OSHA requirements such as training, medical monitoring, and respiratory protection.

In the event that a visitor does not adhere to the provisions of this HASP, he or she will be required to leave the Site. Mobilization activities not requiring intrusive activities (e.g., survey, equipment staging, etc.) or exposure to potentially impacted areas may only be performed if supervised by a competent Roux Associates employee.

1.1 Scope of Work

The Scope of Work activities will include the implementation of RI activities.

The Scope of Work activities are as follows:

1. Obtain necessary permits and approvals.
2. Preparation and implementation of an approved Health and Safety Plan (HASP).
3. Implementation of RI activities, consisting of site inspection/reconnaissance, geophysical survey, drilling, soil boring and sampling, groundwater sampling, and soil vapor sampling.
4. Implementation of the Remedial Action Work Plan (RAWP).
5. Mobilization and demobilization.
6. Maintain good site housekeeping procedures at all times.
7. Identification, protection, and/or relocation of any utilities within the work area.
8. Construct a decontamination pad with proper containment and collection system, if necessary.

1.2 Emergency Numbers

1.2.1 Emergency Phone Numbers

Emergency Medical Service 911

Police: New York Police Department (NYPD).....911

Fire: Fire Department of New York (FDNY) 911

Hospital: New York Presbyterian Hospital 212-932-4461

National Response Center.....800-424-8802

Poison Control Center.....800-222-1222

Chemtrec 800-262-8200

Center for Disease Control.....800-311-3435

USEPA (Region II).....212-637-5000

NYSDEC Emergency Spill Response 800-457-7362

1.2.2 Project Management/Health and Safety Personnel

Title	Contact	Telephone/Cell
Roux Associates		
Project Director	Craig Werle	631-232-2600 Cell – 631-793-1535
Site Health and Safety Officer	Joseph Gavin	631-232-2600 Cell – 631-245-5887
Corporate Health and Safety Manager	Joseph Gentile	856-423-8800 Cell – 610-844-6911

1.2.3 Other Important Phone Numbers

No additional numbers

1.2.4 Directions to New York Presbyterian Hospital

See Figure 2 for street map.

- Start at 5510 Broadway, Bronx, New York
- Head northwest on West 230th Street
- Turn Left on Broadway
- Arrive at 5141 Broadway, New York Presbyterian Hospital on your right

2.0 HEALTH AND SAFETY STAFF

This section briefly describes all site personnel and their health and safety responsibilities for the RI work to be implemented at the Site. All personnel are responsible for ensuring compliance with the HASP.

2.1 Project Principal (PP) – Craig Werle – Roux Associates

- Has the overall responsibility for the health and safety of Site personnel.
- Ensures that adequate resources are provided to the field health and safety staff to carry out their responsibilities as outlined below.

2.2 Corporate Health and Safety Manager (CHSM) – Joe Gentile – Roux Associates

- Implements the HASP.
- Performs or oversees site-specific training and approves revised or new safety protocols or field operations.
- Coordinates revisions of this HASP with Project Principal.
- Responsible for the development of new task safety protocols and procedures and resolution of any outstanding safety issues which may arise during the conduction of site work.
- Review and approve all health and safety training and medical surveillance records for personnel and subcontractors.

2.3 Site Safety and Health Officer (SSO) – Joseph Gavin – Roux Associates

- Directs and coordinates health and safety monitoring activities.
- Ensures that field teams utilize proper personal protective equipment.
- Conducts initial onsite specific training prior to personnel and/or subcontractors commencing work.
- Conducts and documents periodic safety briefings.
- Ensures that field team members comply with this HASP.
- Completes and maintains Accident Report and Investigation Forms.
- Notifies PP and CHSM of all accident/incidents.

- Notifies PP of daily field operations and work progress, who will then communicate at the end of the day to the designated representative the following:
    1. End of day tasks completed
    2. Next day's planned activities
    3. Third party issues
    4. Change of Plans – approvals
- Change in level of personal protective equipment (PPE).
- Maintains contact with Contractors.
- Determines upgrade or downgrade of PPE based on Site conditions and/or real time monitoring results.
- Ensures that monitoring instruments are calibrated daily or as manufacturers suggested instructions determine.
- Submits and maintains health and safety field log books, daily safety logs, training logs, air monitoring result reports, weekly safety report.

2.4 Field Personnel and Subcontractors

- Report any unsafe or potentially hazardous conditions to the SSO.
- Maintain knowledge of the information, instructions, and emergency response actions contained in the HASP.
- Comply with rules, regulations, and procedures as set forth in this HASP and any revisions, which are instituted.
- Prevent admittance to work Site by unauthorized personnel.

3.0 SITE LOCATION, DESCRIPTION, AND HISTORY

Descriptions of the Site and surrounding property usage are included in the following sections. The location of the Site is presented in Figure 1.

3.1 Property Location and Description

The Site is located at 5510 Broadway, Bronx, New York. The Site is comprised of a 750 square foot) parcel located on the north side of West 230th Street. The Site is bordered by Broadway to the west, West 230th Street to the south, an empty lot (former contractor's yard) to the north, and a commercial parking lot to the east. The Site is a former gasoline service station and repair shop. Some overgrown vegetation is present in the northwest corner of the Site. There is no utility service to the building, however; a geophysical survey identified a single live electric line, which may service exterior lighting for security purposes.

According to previous reports, the Site was utilized as a gasoline service station and repair shop as far back as 1950 and has been vacant since approximately 2009. Prior to use as a gasoline service station, the land was vacant.

4.0 WASTE DESCRIPTION/CHARACTERIZATION

4.1 General

The following information is presented in order to identify the types of materials that may be encountered at the Site. The detailed information on these materials was obtained from:

- SAX's Dangerous Properties of Industrial Materials – Lewis Eight Edition
- Chemical Hazards of the Workplace – Proctor/Hughes
- Condensed Chemical Dictionary – Hawley
- Rapid Guide to Hazardous Chemical in the Workplace – Lewis 1990
- NIOSH Pocket Guide to Chemical Hazards – 2005
- ACGIH TLV Values and Biological Exposure Indices
- OSHA 29 CFR 1910.1000

4.2 Chemical Data Sheets

Several chemicals that may potentially be present in soils and groundwater at the Site, based on previous soil, soil vapor and groundwater sampling results and historic operations conducted at the Site that have been identified. The Summary of Toxicological Data is found in Table 1 and is provided for review of chemicals that may be encountered. The Summary of Toxicological Data Sheets provides information such as the chemicals characteristics, health hazards, protection, and exposure limits.

4.2.1 Contaminants of Concern

Soil and groundwater contaminants that may be encountered during drilling and sampling activities include both organic and inorganic compounds.

According to previous investigation reports, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) were detected above guidance values in soil, soil vapor, and groundwater due to a known petroleum spill. An active NYSDEC Spill Number is open for the Site.

According to Roux investigations at the Site, VOCs, SVOCs, pesticides and metals were detected in soil and/or groundwater at the Site. No detections of polychlorinated biphenyls (PCBs),

pesticides or herbicides were noted in soil and groundwater analytical data. Exceedances of NYSDEC Part 375 Unrestricted Use Criteria in soil analytical results were noted for several metals, pesticides and VOCs. No detections exceeded the NYSDEC Part 375 Commercial Criteria. VOCs, SVOCs and metals were detected in groundwater analytical results; no detections of PCBs or Pesticides were noted. The groundwater exceedances were restricted to VOCs and SVOCs found in typical gasoline spills, and manganese. In addition, several VOCs were detected in soil vapor samples.

The toxicological, physical, and chemical properties of potential contaminants are presented in Table 1.

5.0 HAZARD ASSESSMENT

The potential to encounter chemical hazards is dependent upon the work activity performed (intrusive versus non-intrusive), and the duration and location of the work activity. Such hazards could include inhalation and/or skin contact with chemicals/gases that could cause: dermatitis, skin burns, being overcome by vapors or asphyxiation.

Physical hazards that may be encountered during Site work include; heat and cold stress, exposure to excessive noise, loss of limbs, being crushed, head injuries, punctures, cuts, falls, electrocution, and bruises, structural integrity of buildings, asbestos and lead paint exposure, and other physical hazards due to motor vehicle operation, heavy equipment and power tools.

Biological hazards may exist during Site activities. These hazards include exposure to insect bites/stings, animals and animal wastes, mold and bloodborne pathogens.

Prior to the beginning of each new phase of work, an activity hazard analysis will be prepared by the SSO with assistance from the CHSM. The analysis will address the hazards for each activity performed in the phase and will present the procedures and safeguards necessary to eliminate the hazards or reduce the risk. The Activity Hazard Analysis Sheets are located in Appendix A.

5.1 Chemical Hazards

The potential for personnel and subcontractors to come in contact with chemical hazards may occur during the following tasks:

- Drilling Activities
- *In situ* Chemical Injection Activities
- Decontamination Activities

For chronic and acute toxicity data, refer to Summary of Toxicological Data Sheets in Table 1 for further details on compound characteristics. The Material Safety Data Sheets for the injection chemicals are also included in Appendix A.

5.1.1 Exposure Pathways

Exposure to these compounds during ongoing activities may occur through inhalation of contaminated dust particles, inhalation of VOCs, SVOCs or inorganics, dermal absorption, and accidental ingestion of the contaminant by either direct or indirect cross-contamination activities.

Inhalation of contaminated dust particles (VOCs, SVOCs, and inorganics) can occur during adverse weather conditions (high or changing wind directions) or during operations that may generate airborne dust such as excavation and loading of contaminated soils. Dust control measures such as applying water to roadways and excavations will be implemented where visible dust is generated. Where dust control measures are not feasible or effective, respiratory protection will be used when necessary (see Section 9.2.2 for monitoring procedures and action levels).

5.1.2 Operational Action Levels

A decision-making protocol for an upgrade in levels of protection and/or withdrawal of personnel from an area based on atmospheric hazards is outlined in Table 2.

5.1.3 Additional Precautions

Dermal absorption or skin contact with chemical compounds is possible during intrusive activities or *in situ* chemical injections at the Site. The use of PPE in accordance with Section 8.2 and strict adherence to proper decontamination procedures should significantly reduce the risk of skin contact.

The potential for accidental ingestion of potentially hazardous chemicals is expected to be remote, when good hygiene practices are used.

5.2 Physical Hazards

A variety of physical hazards may be present during Site activities. These hazards include typical construction activities: operation of motor vehicles and heavy equipment operation, the use of power and hand tools, the use of pressurized pumps for *in situ* injections, roping and rigging of steel sheeting, walking on objects, tripping over objects, working on surfaces which have the potential to promote falling, skin burns, crushing of fingers, toes, limbs, head injuries caused by falling objects, temporary loss of one's hearing and/or eyesight. The referenced hazards are not

unique and are generally familiar to most hazardous waste site workers at construction sites. Task specific safety requirements for each phase will be covered during safety briefings. Activity Hazard Analysis summaries are contained in Appendix A.

5.2.1 Noise

Noise is a potential hazard associated with operation of heavy equipment, power tools, pumps, and generators. High noise equipment operators will be evaluated at the discretion of the SSO. Employees with an 8-hour time weighted average exposure exceeding 85 dBA will be included in the hearing conservation program in accordance with 29 CFR 1910.95 and 1926.52.

It is mandated that employees working around heavy equipment or using power tools that produce noise levels exceeding 90 dBA are to wear hearing protection that shall consist of earplugs or protective earmuffs.

5.2.2 Heat Stress

Heat stress is a significant potential hazard, associated with the use of protective equipment in a hot weather environment. The human body is designed to function at a certain internal temperature. When metabolism or external sources (fire or hot summer day) cause the body temperature to rise, the body seeks to protect itself by triggering cooling mechanisms. The SSO will monitor the air temperature (as described later in this section) to determine potential adverse affects the weather can cause onsite personnel. Excess heat is dissipated by two means:

- Changes in blood flow to dissipate heat by convection, which can be seen as "flushing" or reddening of the skin in extreme cases.
- Perspiration is the release of water through skin and sweat glands. While working in hot environments, evaporation of perspiration is the primary cooling mechanism.

Protective clothing worn to guard against chemical contact effectively stops the evaporation of perspiration. Thus the use of protective clothing increases heat stress problems.

The major disorders due to heat stress are heat cramps, heat exhaustion, and heat stroke. Heat cramps are painful spasms, which occur in the skeletal muscles of workers who sweat profusely in the heat and drink large quantities of water, but fail to replace the bodies lost salts or electrolytes. Drinking water while continuing to lose salt tends to dilute the body's extracellular fluids.

Soon water seeps by osmosis into active muscles and causes pain. Muscles fatigued from work are usually most susceptible to cramps.

Extreme weakness or fatigue, dizziness, nausea, and headache characterize heat exhaustion. In serious cases, a person may vomit or lose consciousness. The skin is clammy and moist, complexion pale or flushed, and body temperature normal or slightly higher than normal. Treatment is rest in a cool place and replacement of body water lost by perspiration. Mild cases may recover spontaneously with this treatment; severe cases may require care for several days. There are no permanent effects.

Heat stroke is a very serious condition caused by the breakdown of the body's regulating mechanisms. The skin is very dry and hot with red mottled or bluish appearance. Unconsciousness, mental confusion, or convulsions may occur. Without quick and adequate treatment, the result can be death or permanent brain damage. As first aid treatment, the person should be moved to a cool place. Body heat should be reduced artificially, but not too rapidly, by soaking the person's clothes in water and fanning them.

Steps that can be taken to reduce heat stress are:

- Acclimate the body. Allow a period of adjustment to make further heat exposure endurable.
- Drink more liquids to replace the body water lost during sweating.
- Rest is necessary and should be conducted under the direction of the SSO.
- Wear personal cooling devices. These are two basic designs; units with pockets for holding frozen packets and units that circulate fluid from a reservoir through tubes to different parts of the body. Both designs can be in the form of a vest, jacket, or coverall. Some circulating units also have a cap for cooling the head.
- Wear long cotton underwear under chemical protective clothing. The cotton will absorb perspiration and will hold it close to the skin. This will provide the body with the maximum cooling available from the limited evaporation that takes place beneath chemical resistant clothing. It also allows for rapid cooling of the body when the protective clothing is removed.

Heat stress is a significant hazard associated with using protective equipment in hot weather environments. Local weather conditions may produce conditions, which will require restricted work schedules in order to protect employees.

Appendix B contains procedures for heat stress; these will be used as a guideline and to provide additional information.

5.2.3 Cold Stress

Cold temperatures are a significant potential hazard. Examples of cold temperature hazards are frostbite and hypothermia.

Frostbite is the most common injury resulting from exposure to cold. The extremities of the body are most often affected. The signs of frostbite are:

- The skin turns white or grayish-yellow.
- Pain is sometimes felt early but subsides later. Often there is no pain.
- The affected parts feel intensely cold and numb.

Hypothermia is characterized by shivering, numbness, drowsiness, muscular weakness, and a low internal body temperature when the body feels extremely warm. This can lead to unconsciousness and death. With both frostbite and hypothermia, the affected areas need to be warmed quickly. Immersion in warm water is an effective means of warming the affected areas quickly. In such cases, medical assistance will be sought.

To prevent these effects from occurring, persons working in the cold should wear adequate clothing and reduce the time spent in the cold area. The field SSO is responsible for determining appropriate time personnel should spend in adverse weather conditions and will monitor this.

Appendix B, which contains the Heat and Cold Stress Guidelines, provides additional information.

5.2.4 Asbestos

Asbestos is a widely used, mineral-based material that is resistant to heat and corrosive chemicals. Depending on the chemical composition, fibers may range from course to silky. The properties

that make asbestos fibers to valuable to industry are its high-tensile strength, flexibility, heat and chemical resistance, and good frictional properties. Asbestos is a common naturally occurring group of fibrous minerals. Asbestos fibers have been used in a variety of building materials; generally, most asbestos is found in pipe insulation, doors, textures paints and plasters, structural fireproofing, and floor tiles. Friable asbestos (that is, material that contains more than 0.1% asbestos by weight and can be crumbled by hand) is a potential hazard because it can release fibers into the air if damaged. Roux Associates' personnel will not disturb any suspected asbestos material.

5.2.5 Structural Integrity

The structural integrity of a building and the safety of the individuals inside depend on meeting and maintaining national and local building codes. Structural integrity can range from minor defects such as loose floorboards and roof leaks to major defects such as floors and walls sagging and collapsed roofs. Numerous other structural defects can exist with or without consequence to the occupants. If Roux Associates personnel detect a problem, they should notify their supervisor, who in turn, should seek the opinion of a qualified structural engineer to offer and opinion regarding the integrity of the building. If in the opinion of the qualified engineer it is unsafe, no work can proceed until a solution to rectify the situation has been performed.

The only structures present at the site are the former station building and service bays, the attached canopy, and the former remediation system shed. All of these structures appear to be structurally sound at present and are scheduled for demolition during the course of the redevelopment at the Site.

5.2.6 Lockout/Tagout

Roux Associates and all Site contractors will develop a lockout/tagout plan in the event of the repair of electrical, pneumatic, hydraulic, mechanical systems, per OSHA requirements under 29 CFR 1910.147.

5.3 Biological Hazards

The biological hazards, which have the potential to cause adverse health effects, are from exposure to domestic flies, mosquitoes, insects, animals and animal wastes, mold and bloodborne

pathogens. The Activity Hazard Analysis (Appendix A) suggests controls for various hazards to be potentially encountered onsite.

5.3.1 Insect Stings

Stings from insects are often painful, cause swelling and can be fatal if a severe allergic reaction such as anaphylactic shock occurs. If a sting occurs, the stinger should be scraped out of the skin, opposite of the sting direction. The area should be washed with soap and water followed by application of an ice pack.

If the victim has a history of allergic reaction, he should be taken to the nearest medical facility. If the victim has medication to reverse the effects of the sting, it should be taken immediately.

If the victim experiences a severe reaction, a constricting band should be placed between the sting and the heart. The bitten area should be kept below the heart if possible. A physician should be contacted immediately for further instructions.

5.3.2 Animals and Animal Wastes

Due to most of the onsite structures being abandoned for several years, there lies the potential for various wildlife to reside within the structures, including, but not limited to, pigeons, bats, mice, rats, squirrels, raccoons, and feral cats. Certain animals can represent significant sources (vectors) of disease transmission. Precautions to avoid or minimize potential contact with (biting) animals (such as some of the above listed) or animal waste and/or deceased animals should be considered prior to all field activities. Rats, squirrels, raccoons, feral cats, and other wild animals can inflict painful bites which can also cause disease (as in the case of rabid animals). Site personnel should avoid contact with any of the above.

If contact occurs, be sure to clean the area thoroughly with soap and water as soon as possible. If a bite occurs, the area should be cleaned thoroughly immediately with soap and water and medical attention should be sought.

5.3.3 Mold

Although mold affects individuals differently and to different degrees, the following are some of the most common adverse health effects:

- Respiratory problems – wheezing, difficulty breathing;
- Nasal and sinus congestion;
- Eyes – burning, watery, reddened, blurry vision, light sensitivity;
- Dry, hacking cough;
- Sore throat;
- Nose and throat irritation;
- Shortness of breath and lung disease;
- Chronic fatigue;
- Skin irritation;
- Central nervous system (headaches, loss of memory, and mood changes);
- Aches and pains;
- Fever;
- Headaches;
- Diarrhea; and
- Immune suppression.

Decisions about removing individuals from an affected area must be based on the results of a medical evaluation, and be made on a case-by-case basis.

Workers that discover the visible presence of mold in excess of 10 sq. feet need to notify the SSO for consultation. If a worker smells mold and feels that he/she is experiencing symptoms of exposure, he/she should retreat and report the symptoms to the SSO.

5.3.4 Bloodborne Pathogens

The majority of the occupational tasks onsite will not involve a significant risk of exposure to blood, blood components, or body fluids. The highest risk of acquiring any bloodborne pathogen for employees onsite will be following an injury. When administering first aid care, there are potential hazards associated with bloodborne pathogens that cause diseases such as Human Immunodeficiency Virus (HIV), Hepatitis B (HBV), Hepatitis A (HAV), Hepatitis C (HCV), or the Herpes Simplex Virus (HSV). An employee who has not received the appropriate certification should never execute first aid and/or CPR.

In order to minimize any potential pathogen exposure, all employees should use the hand washing facilities on a regular basis. Additionally, the following universal precautions should be followed to prevent further potential risk:

- Direct skin or mucous membrane contact with blood should be avoided.
- Open skin cuts or sores should be covered to prevent contamination from infectious agents.
- Body parts should be washed immediately after contact with blood or body fluids that might contain blood, even when gloves or other barriers have been used.
- Gloves and disposable materials used to clean spilled blood shall be properly disposed of in an approved hazardous waste container.
- First aid responders shall wear latex or thin mil nitrile gloves when performing any procedure risking contact with blood or body substances.
- Safety glasses will be worn to protect the eyes from splashing or aerosolization of body fluids.
- A CPR mask will be worn when performing CPR to avoid mouth-to-mouth contact.
- Work gloves will be worn to minimize the risk of injury to the hands and fingers when working on all equipment with sharp or rough edges.
- Never pick up broken glass or possible contaminated material with your unprotected hands.
- Never handle wildlife (living or deceased) encountered onsite.

5.4 Hazard Assessment

Task	Hazards	Risk of Exposure
Decontamination	Inhalation/Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Physical Injury	Moderate
	Noise	Low
In situ Injections	Inhalation/ Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Physical Injury	Moderate
	Noise	Low/Moderate
Drilling/Sampling	Inhalation/ Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Noise	Moderate/High
	Physical Injury	Moderate

6.0 TRAINING

6.1 General Health and Safety Training

In accordance with Roux Associates' corporate policies, and pursuant to 29 CFR 1910.120, hazardous waste site workers shall, at the time of the job assignment, have received a minimum of 40 hours of initial health and safety training for hazardous waste site operations. As a minimum, the training shall have consisted of instruction in the topics outlined in the above reference. Personnel who have not met the requirements for initial training will not be allowed to work in any Site activities in which they may be exposed to hazards (chemical or physical).

Completion of a 40-hour Health and Safety Training Course for Hazardous Waste Operations or an approved equivalent will fulfill the requirements of this section.

In addition to the required initial training, each employee shall have received 3 days of directly supervised on-the-job training. This training will address the duties the employees are expected to perform.

Roux Associates' SSO has the responsibility of ensuring that personnel assigned to this project comply with these requirements.

6.2 Annual Eight-Hour Refresher Training

Annual 8-hour refresher training will be required of all hazardous waste site field personnel in order to maintain their qualifications for fieldwork. The following topics will be reviewed; toxicology, respiratory protection, including air purifying devices and self-contained breathing apparatus (SCBA), medical surveillance, decontamination procedures, and personal protective clothing. In addition, topics deemed necessary by Roux Associates' Health and Safety Director may be added to the above list.

6.3 Site-Specific Training

Site personnel will receive training that will specifically address the activities, procedures, monitoring, and equipment for Site operations. It will include Site and facility layout, hazards, first aid equipment locations and emergency services at the Site, and will highlight all provisions contained within this HASP. This training will also allow field workers to clarify anything they do

not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

6.4 Onsite Safety Meetings

Daily safety meetings will be presented each morning to discuss potential safety concerns for the upcoming activities.

The briefings will also provide a forum to facilitate conformance with safety requirements and to identify performance deficiencies related to safety during daily activities or as a result of safety audits by Roux Associates or other involved parties.

6.5 First Aid and CPR

The SSO will identify those individuals having first aid and CPR training in order to ensure that emergency medical treatment is available during field activities. The training will be consistent with the requirements of the American Red Cross Association. Certification and appropriate training documentation will be kept with the Site personnel records.

6.6 Additional Training

The CHSM may require additional or specialized training throughout the project. Such training shall be in the safe operation of heavy or power tool equipment or hazard communication training or other topic deemed Site appropriate.

6.7 Subcontractor Training

All subcontractor personnel working on the Site shall have completed the 40-hour training requirement and meet the medical surveillance requirements found in Section 7.1. Subcontractor training shall be performed in accordance with 29 CFR 1910.120 and HASP specifications. In certain unique situations (e.g., mechanical failure of equipment), the non-trained individual performing emergency repairs may be allowed, at the discretion of the SSO, to perform repairs when no intrusive activities are being performed, and provisions have been made to mitigate potential exposure.

7.0 MEDICAL SURVEILLANCE PROCEDURES

7.1 General

A Medical Surveillance Program has been established as part of this plan and is included in Appendix C. Roux Associates and subcontractor personnel performing field work at the Site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120(f). A physician's medical release for work will be confirmed by the SSO before an employee can begin Site activities. Such examinations shall include a statement as to the worker's present health status, the ability to work in a hazardous environment (including any required PPE, which may be used during temperature extremes), and the worker's ability to wear respiratory protection.

Appendix C, "Medical Data Sheet," will be completed by all permanent, onsite personnel and will be kept in Roux Associates offices during the conduct of Site operations. Completion is required in addition to compliance with Roux Associates' Health and Safety Program. This data sheet will be available through the Roux Associates Human Resources Department if medical assistance is needed or if transport to hospital facilities is required.

8.0 SITE CONTROL, PERSONAL PROTECTIVE EQUIPMENT, AND COMMUNICATIONS

A modified Site control approach may be utilized since activities will be limited to site inspection/geophysical survey, drilling and sampling only during this phase of work. If remedial work is necessary, the following four-zone approach will be used.

8.1 Site Control

Based on the Site history and operations, a potential for the presence of hazardous material does exist. During drilling and sampling, work areas will be delineated with high visibility cones and/or caution tape. A dedicated decontamination area will be established to decontaminate all equipment used for sampling.

If remedial activities are necessary, a four-zone approach will be employed in order to prevent the spread of contamination from the disturbed areas onsite. The four zones include: the Exclusion Zone (EZ), the Contamination Reduction Zone (CRZ), Contamination Reduction Corridor (CRC) and the Support Zone (SZ). A stepped remedial approach will be managed, and the zones modified as the work progresses. Each of the areas will be defined through the use of control barricades and/or construction/hazard fencing. A clearly marked delineation between the SZ and the remaining three zones, the CRZ and CRC and the EZ will be maintained. The preferred method will utilize high visibility orange fencing and hand driven metal posts, or orange cones. Signage will be posted to further identify and delineate these areas.

8.1.1 Support Zone

The Support Zone (SZ) is an uncontaminated area that will be the field support area for the Site operations. The SZ will contain the temporary project trailers and provides for field team communications and staging for emergency response. Appropriate sanitary facilities and safety equipment will be located in this zone. Potentially contaminated personnel or materials are not allowed in this zone. The only exception will be appropriately packaged/decontaminated and labeled samples. Meteorological conditions will be observed and noted from this zone, as well as those factors pertinent to heat and cold stress.

8.1.2 Contamination Reduction Zone

A Contamination Reduction Zone (CRZ) is established between the exclusion zone and the support zone. The CRZ contains the Contamination Reduction Corridor (CRC) and provides an area for decontamination of personnel and equipment. The CRZ will be used for general Site entry and egress in addition to access for heavy equipment and emergency support services. Personnel are not allowed in the CRZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- A need to be in the zone.

8.1.3 Exclusion Zone

The area where contamination exists is considered to be the Exclusion Zone (EZ). All areas where excavation and handling of contaminated materials take place are considered the EZ. This zone will be clearly delineated by orange high visibility fencing. Safety tape may be used as a secondary delineation within the EZ. The zone delineation markings may be opened in areas for varying lengths of time to accommodate equipment operation or specific construction activities. The SSO may establish more than one EZ where different levels of protection may be employed or where different hazards exist. Personnel are not allowed in the EZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- A need to be in the zone.

8.2 Personal Protective Equipment

8.2.1 General

The level of protection worn by field personnel will be enforced by the SSO. Levels of protection for general operations are provided below and are defined in this section. Levels of protection

may be upgraded at the discretion of the SSO. All decisions on the level of protection will be based upon a conservative interpretation by the SSO of the information provided by air monitoring results, environmental results and other appropriate information. Any changes in the level of protection shall be recorded in the health and safety field logbook.

8.2.2 Personal Protective Equipment Specifications

The initial level of personal protective equipment is Level D. It is not anticipated that either Level B or Level C protection will be necessary.

Although not anticipated, any tasks requiring Level B personal protective equipment (PPE) will utilize the following equipment:

- Positive pressure, full facepiece, self-contained breathing apparatus (SCBA) or positive pressure, supplied air respirator with escape SCBA (NIOSH approved)
- Disposable coveralls (Tyvek, Poly-coated Tyvek, or Saranex)
- Gloves, inner: latex or nitrile
- Gloves, outer: nitrile or neoprene
- Chemical resistant boots over the work boots
- Steel toe work boots
- Hard hat
- Hearing protection (as needed)
- Boot cover (as needed)

For tasks requiring Level C PPE, the following equipment may be used in any combination:

- Full-face, air purifying, canister-equipped respirators (NIOSH approved) utilizing Organic Vapor/Acid Gas and P-100 filters (half-face if approved by SSO)
- Disposable coveralls (Tyvek, Poly-coated Tyvek, or Saranex) as required
- Gloves, inner: latex or nitrile as required
- Gloves, outer: nitrile or neoprene as required
- Chemical resistant boots over the work boots as required

- Steel toe work boots
- Hard hat
- Hearing protection (as needed)
- Safety glasses (if half-mask is utilized)
- Boot covers (as needed)

The Minimum level of PPE for entry onto the Site is Level D PPE. The following equipment shall be used:

- Work uniform (long pants, sleeved shirt)
- Hard hat
- Steel toe work boots
- Safety glasses
- Boot covers (as needed)
- Hearing protection (as needed)
- Reflective safety vest

Modified Level D PPE consists of the following:

- Regular Tyvek coveralls (Poly-coated Tyvek as required)
- Outer gloves: leather, cotton, neoprene or nitrile (as required)
- Inner gloves: latex or nitrile (doubled) as required
- Chemical resistant boots over work boots (as required)
- Steel toe work boots
- Hard hat
- Safety glasses
- Hearing protection as needed
- Reflective safety vest

8.2.3 Initial Levels of Protection

Levels of protection for the proposed scope of work may be upgraded or downgraded depending on direct-reading instruments or personnel monitoring. The following are the initial levels of protection that shall be used for each planned field activity:

Activity	Initial level of PPE
Mobilization/Demobilization	D
Site Inspection/Geophysical Survey	D
Decontamination	D
Drilling	D
In situ Chemical Injections	D
Groundwater Sampling	D

8.3 Communications

If working in level C/B respiratory protection is required, personnel may find that communication becomes a more difficult task and process to accomplish. Distance and space further complicate this. In order to address this problem, electronic instruments, mechanical devices, or hand signals will be used as follows:

Telephones – Mobile telephones will be carried by designated personnel for communication with emergency support services/facilities.

Radios – Two-way radios will be utilized onsite for communications between field personnel in areas where visual contact cannot be maintained and where hand signals cannot be employed.

Air Horn – Available as posted in the Site trailer or support zone to alert field personnel to an emergency situation. The emergency signal will be the sharp blasts of the air horn.

Hand Signals – This communication method will be employed by members of the field team along with use of the buddy system. Signals become especially important when in the vicinity of heavy moving equipment and when using Level B respiratory equipment. The signals shall become familiar to the entire field team before Site operations commence, and will be reinforced and reviewed during site-specific training.

Signal	Meaning
Hand gripping throat	Out of air; can't breathe
Grip partner's wrist	Leave area immediately; no debate
Hands on top of head	Need assistance
Thumbs up	OK; I'm all right; I understand
Thumbs down	No; Unable to understand you, I'm not all right

9.0 MONITORING PROCEDURES

9.1 General

Monitoring will be performed to verify the adequacy of respiratory protection, to aid in Site layout, and to document worker exposure. If air monitoring in these areas indicates the presence of potentially hazardous materials, control measures will be implemented. All monitoring instruments shall be operated by qualified personnel only and will be calibrated daily prior to use or, more often, as necessary. General monitoring during intrusive site activities will be performed in accordance with the Community Air Monitoring Plan included as Appendix D.

9.2 Exclusion Zone Monitoring

9.2.1 Instrumentation

The following monitoring instruments will be available for use during field operations as necessary. There will be a minimum of one of each piece of equipment on the Site at all times:

- Photoionization Detector (PID) with 10.6 EV probe or Flame Ionization Detector (FID) or equivalent.
- Dust/Particulate Monitor (DM), MIE Miniram, or equivalent.

A PID will be used to monitor VOCs in active work areas, during intrusive activities. VOCs shall also be measured upwind of the work areas to determine background concentrations.

A particulate monitor shall be used to measure concentrations of dust and particulate matter.

When deemed necessary, a CGI/O_2 meter shall be used to monitor for combustible gases and oxygen content during confined space entry or when the HSO deems necessary.

Calibration records shall be documented and recorded daily and included in the daily air monitoring report. This report will be specific to work area monitoring. All instruments shall be calibrated before and after each daily use in accordance with manufacturer's procedures (Appendix E).

9.2.2 Action Levels

Action levels for the upgrading of PPE requirements in the HASP will apply to all Site work during investigation and remediation activities at the Site. Action levels are for known contaminants using direct reading instruments in the Breathing Zone (BZ) for VOCs and particulates, and at the source for combustible gases. The BZ will be determined by the SSO, but is typically 4 to 5 feet above the work area surface or elevation. The action levels to be utilized for the Site are found in Table 2.

9.2.3 Monitoring During Field Activities

Intrusive Operations – Continuous Personnel Breathing Zone Air Monitoring will be performed by the SSO during drilling activities. Real-time monitoring for all onsite activities will be accomplished as follows:

- Monitoring of VOCs in and around the work zones.
- Monitoring for particulates in and around the work zones, when necessary.

The frequency of monitoring may be modified by the SSO, after consultation with the Project Manager. The rationale for any modification must be documented in the HASP.

10.0 SAFETY CONSIDERATIONS

10.1 General

In addition to the specific requirements of this HASP, common sense should be used at all times.

The following general safety rules and practices will be in effect at the site.

- All open holes, trenches, and obstacles will be properly barricaded in accordance with local Site needs and requirements. Proximity to traffic ways, both pedestrian and vehicular, and location of the open hole, trench, or obstacle will determine these needs.

- All excavation and other Site work will be planned and performed with consideration for underground lines.

- Smoking and ignition sources in the vicinity of potentially flammable or contaminated material are strictly prohibited.

- Drilling, boring, and use of cranes and drilling rigs, erection of towers, movement of vehicles and equipment, and other activities will be planned and performed with consideration for the location, height, and relative position of aboveground utilities and fixtures, including signs; lights; canopies; buildings and other structures and construction; and natural features such as trees, boulders, bodies of water, and terrain.

- When working in areas where flammable vapors may be present, particular care shall be exercised with tools and equipment that may be sources of ignition. All tools and equipment provided must be properly bonded and/or grounded.

- Approved and appropriate safety equipment (as specified in this HASP), such as eye protection, hard hats, hand protection (nitrile, leather and/or cut resistant gloves as necessary), foot protection, and respirators, must be worn in areas where required. In addition, eye protection must be worn when sampling soil or water that may be contaminated.

- All site personnel may be called upon to use respirator protection in some situations. Fit testing will be necessary for all persons using respirators. The criteria for facial hair will be determined by the SSO. In general, the guideline is that facial hair cannot impede the fit of the respirator.

- No smoking, eating, chewing tobacco, gum chewing or drinking will be allowed outside the SZ.

- Contaminated tools and hands must be kept away from the face.

- Personnel must use personal hygiene safe guards (washing up) at the end of the shift.

- Each sample must be treated and handled as though it were contaminated.

- Persons with long hair and/or loose-fitting clothing that could become entangled in power equipment must take adequate precautions.

- Horseplay is prohibited in the work area.
- Work while under the influence of intoxicants, narcotics, or controlled substances is strictly prohibited.

10.2 Traffic Control

Traffic control methods and barricades will be used as needed when working in areas of vehicular traffic. Since the site is fenced off and the areas of investigation are not in current use, outside vehicular and pedestrian traffic is not considered to be an issue.

10.3 Sample Handling

Personnel responsible for handling of samples will wear the prescribed level of protection. Samples are to be identified as to their hazard and packaged as to prevent spillage or breakage. Any unusual sample conditions shall be noted. Laboratory personnel and all field personnel shall be advised of sample hazard levels and the potential contaminants present. This can be accomplished by a phone call to the lab coordinator and/or including a written statement with the samples reviewing lab safety procedures in handling in order to assure that the practices are appropriate for the suspected contaminants in the sample.

11.0 DECONTAMINATION AND DISPOSAL PROCEDURES

11.1 Contamination Prevention

Contamination prevention should minimize worker exposure and help ensure valid sample results by precluding cross-contamination. Procedures for contamination avoidance include:

Personnel

- Do not walk through areas of obvious or known contamination.
- Do not directly handle or touch contaminated materials.
- Make sure that there are no cuts or tears on PPE.
- Fasten all closures in suits; cover with tape, if necessary.
- Particular care should be taken to protect any skin injuries.
- Stay upwind of airborne contaminants.
- Do not carry cigarettes, cosmetics, gum, etc., into contaminated areas.

Sampling/Monitoring

- When required by the SSO, cover instruments with clear plastic, leaving openings for sampling ports.
- Bag sample containers prior to emplacement of sample material.

Heavy Equipment

- Care should be taken to limit the amount of contamination that comes in contact with heavy equipment (tires, contaminated augers).
- If contaminated tools are to be placed on non-contaminated equipment for transport to a decontamination area, plastic should be used to keep the equipment clean.
- Dust control measures including water misting will be used on roads inside the Site boundaries.

11.2 Personnel Decontamination

A field wash for equipment and PPE shall be set up and maintained for all persons exiting the EZ. The system will include a gross wash and rinse for all disposable clothing and boots worn in the EZ. As necessary, equipment and facilities will be available for personnel to wash their hands, arms, neck, and face.

11.3 Equipment Decontamination

All potentially contaminated equipment used at the Site will be decontaminated to prevent contaminants from leaving the Site. The decontamination area will provide for the containment of all wastewater from the decontamination process. Respirators and any other PPE that comes in contact with contaminated materials shall pass through a field wash in the decontamination area, and a thorough decontamination at the end of the day. All decontamination rinse water will be collected and managed in accordance with all applicable regulations.

11.4 Decontamination during Medical Emergencies

If emergency life-saving first aid and/or medical treatment are required, normal decontamination procedures may need to be abbreviated or omitted. The Site SSO or designee will accompany contaminated victims to the medical facility to advise on matters involving decontamination, when necessary. The outer garments can be removed if they do not cause delays, interfere with treatment, or aggravate the problem. Respiratory equipment must always be removed. Protective clothing can be cut away. If the outer contaminated garments cannot be safely removed, a plastic barrier between the individual and clean surfaces should be used to help prevent contaminating the inside of ambulances and/or medical personnel. Outer garments are then removed at the medical facility. No attempt will be made to wash or rinse the victim, unless it is known that the individual has been contaminated with an extremely toxic or corrosive material, which could also cause severe injury or loss of life to emergency response personnel. For minor medical problems (ambulatory) or injuries, the normal decontamination procedures will be followed. Note that heat stroke requires prompt treatment to prevent irreversible damage or death. Protective clothing must be promptly removed. Less serious forms of heat stress also require prompt attention and removal of protective clothing immediately. Unless the victim is obviously contaminated, decontamination should be omitted or minimized, and treatment begun immediately.

11.5 Disposal Procedures

A system of segregating all waste will be developed by the SSO.

All discarded materials, waste materials, or other objects shall be handled in such a way as to preclude the potential for spreading contamination, creating a sanitary hazard, or causing litter to

be left onsite. All potentially contaminated materials (e.g., clothing, gloves, etc.,) will be bagged or drummed as necessary, labeled and segregated for disposal. All non-contaminated materials shall be collected and bagged for appropriate disposal as domestic waste.

12.0 EMERGENCY PLAN

Should an emergency situation occur, the emergency plan, outlined in this section, shall be known by Roux Associates and all Subcontractors prior to the start of work. The emergency plan will be available for use at all times during Site work. The plan provides the phone numbers for the fire, police, ambulance, hospital, poison control centers, and directions to the hospital from the Site. This information is to be found in Section 1.2 of the HASP.

Various individual Site characteristics will determine preliminary actions taken to assure that this emergency plan is successfully implemented in the event of a Site emergency. Careful consideration must be given to the proximity of neighborhood housing or places of employment, and to the relative possibility of Site release of vapors, which could affect the surrounding community.

The emergency coordinator shall implement the contingency plan whenever conditions at the Site warrant such action. The coordinator will be responsible for coordination of the evacuation, emergency treatment, and transport of Site personnel as necessary, and notification of emergency response units and the appropriate management staff.

In cases where the project manager is not available, the SSO shall serve as the alternate emergency coordinator.

The SSO during an emergency will perform air monitoring as needed, as well as lend assistance and provide health and safety information to responding emergency personnel.

Site Personnel will endeavor to keep non-essential personnel away from the incident until the appropriate emergency resources arrive. At that time, the responders will take control of the Site. Site personnel may be asked to lend assistance to emergency personnel such as during evacuations, help with the injured, etc.

12.1 Evacuation

Evacuation procedures will be discussed prior to the start of work and periodically during safety meetings. In the event of an emergency situation, such as fire, or explosion, an air horn,

automobile horn, or other appropriate device will be sounded for three (3) sharp blasts indicating the initiation of evacuation procedures. The emergency evacuation route shall be known by all site workers. Under no circumstances will incoming personnel or visitors be allowed to proceed into the area once the emergency signal has been given. The SSO or project manager must ensure that access for emergency equipment is provided and that all combustion apparatuses have been shut down once the alarm has been sounded. All Site personnel will assemble in the designated nearest safe location. Once the safety of all personnel is established, the fire department and other emergency response groups will be notified by telephone of the emergency.

12.2 Personnel Injury

Emergency first aid shall be applied onsite as appropriate. If necessary, the individual shall be decontaminated and transported to the nearest hospital. The SSO will supply medical data sheets to medical personnel and complete the accident/incident reports in accordance with Section 13.4 of the HASP.

The ambulance/rescue squad shall be contacted for transport as necessary in an emergency. However, since some situations may require transport of an injured party by other means, the injured person shall be escorted to the hospital. A map to this facility is shown in Figure 2.

12.3 Accident/Incident Reporting

As soon as first aid and/or emergency response needs have been met, the following parties are to be contacted by telephone: (Direct contact, no phone messages).

		Office:	**Cell:**
1. Project Director:	Craig Werle	631-232-2600	631-793-1535
2. Office Health and Safety Manager:	Joe Gentile	856-423-8800	610-844-6911
3. Site Health and Safety Officer:	Joseph Gavin	631-232-2600	516-754-6671

4. The employer of any injured worker, if not a Roux Associates employee.

Written confirmation of verbal reports are to be submitted within 24 hours. The report form entitled "Accident Report and Investigation Form" (Appendix F) is to be used for this purpose.

All representatives contacted by telephone are to receive a copy of this report. If the employee involved is not a Roux Associates employee, his employer shall receive a copy of the report. In addition to filling out the Accident Report and Investigation Form, if a Roux employee is involved in a vehicle accident, the employee must also complete the Acord form (Appendix G).

For reporting purposes, the term accident refers to fatalities, lost time injuries, spill or exposure to hazardous materials (radioactive materials, toxic materials, explosive or flammable materials), fire, explosion, property damage, or potential occurrence (i.e., near miss) of the above.

Any information released from the health care provider, which is not deemed confidential patient information, is to be attached to the appropriate form. Any medical information, which is released by patient consent, is to be filed in the individual's medical record and treated as confidential.

12.4 Personnel Exposure

Skin Contact:	Use copious amounts of soap and water. Wash/rinse affected area thoroughly, then provide appropriate medical attention. Eyes should be rinsed for 15 minutes upon chemical contamination.
Inhalation:	Move to fresh air and/or, if necessary, decontaminate/transport to hospital.
Ingestion:	Decontamination and transport to emergency medical facility.
Puncture Wound or Laceration:	Decontamination and transport to emergency medical facility.

12.5 Adverse Weather Conditions

In the event of adverse weather conditions, the SSO or project manager will determine if work can continue without sacrificing the health and safety of all field workers. Some of the items to be considered prior to determining if work should continue are:

- Potential for heat stress and heat-related injuries.
- Potential for cold stress and cold-related injuries.
- Treacherous weather-related conditions.
- Limited visibility.
- Electrical storm potential.

Site activities will be limited to daylight hours and acceptable weather conditions. Inclement working conditions include heavy rain, fog, high winds, and lightning. Observe daily weather reports and evacuate if necessary in case of inclement weather conditions.

13.0 LOGS, REPORTS AND RECORD KEEPING

The following is a summary of required health and safety logs, reports, and record keeping for this project.

13.1 Medical and Training Records

The employer keeps medical and training records. The subcontractor employer must provide verification of training and medical qualifications to the SSO. The SSO will keep a log of personnel meeting appropriate training and medical qualifications for Site work. The log will be kept in the project file. Roux Associates will maintain medical records in accordance with 29 CFR 1910.20.

13.2 Onsite Log

The SSO or project manager will keep a log of onsite personnel daily in the designated field book.

13.3 Exposure Records

Any personal monitoring results, laboratory reports, calculations, and air sampling data sheets are part of an employee exposure record. These records will be kept by Roux Associates in accordance with 29 CFR 1910.20.

13.4 Accident/Incident Reports

An accident/incident report must be completed following procedures given in Appendix F. The originals will be sent to Roux Associates for maintenance. Copies will be distributed as stated. A copy of the forms will be kept in the project file.

13.5 OSHA Form 300

An OSHA Form 300 (Log of Occupational Injuries and Illnesses) (Appendix H) will be kept at the Site. All reportable injuries or illnesses will be recorded on this form. At the end of the project, the original will be sent to Roux Associates for maintenance. Subcontractor employers must also meet the requirements of maintaining an OSHA 300 form.

13.6 Daily Safety Logs

The Daily Safety Log form in Appendix E will be completed daily by the SSO and submitted to the project manager.

13.7 Weekly Safety Reports

The Weekly Safety Reports in Appendix I will be completed by the SSO and submitted to the designated Owner's representative, if requested.

13.8 Close-Out Safety Report

At the completion of the work, Roux Associates will submit a closeout Safety Report that will include all logs and reports generated during the project. The report will be signed and dated by the SSO and submitted to the Safety Manager and/or Owner's representative, if requested.

14.0 FIELD TEAM REVIEW

Each Roux Associates employee or subcontractor shall sign this section after site-specific training is completed and before being permitted to work at the Site.

I have read and reviewed the Site Health and Safety Plan prepared for this Site. I understand and will comply with the provisions contained therein.

Site/Project: Equity One (Northeast Portfolio) Inc.
5510 Broadway
Bronx, New York

Date	Name	Signature	Company

SSO CERTIFICATION OF HOSPITAL DIRECTIONS

Name of Roux Associates SSO:

Date:_____

This is to certify that on _____, I personally drove the route to New York Presbyterian Hospital as listed in the HASP. The Map Routing and Directions were/were not as listed in the plan. Listed below were conditions that resulted in different directions.

_____
Roux Associates Site Health and Safety Officer

FIGURE 1

Site Location Map

FIGURE 2

Directions to New York Presbyterian Hospital – 5141 Broadway, New York, NY 10034

- Start at 5510 Broadway, Bronx, New York
- Head northwest on West 230th Street
- Turn Left on Broadway
- Arrive at 5141 Broadway, New York Presbyterian Hospital on your right

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
1,1,1-Trichloroethane	71-55-6	TWA 350 ppm STEL 440 ppm C 440 ppm	C 350 ppm (1900 mg/m^3) [15-minute]	TWA 350 ppm (1900 mg/m^3)	700 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, lassitude (weakness, exhaustion), central nervous system depression, poor equilibrium; dermatitis; cardiac arrhythmias;	Eyes, skin, central nervous system, cardiovascular system, liver	Colorless liquid with a mild, chloroform-like odor. BP: 165°F UEL: 12.5% LEL: 7.5%
1,1,2-Trichloroethane	79-00-5	TWA 10 ppm	Ca TWA 10 ppm (45 mg/m^3) [skin]	TWA 10 ppm (45 mg/m^3) [skin]	Ca [100 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; central nervous system depression; liver, kidney damage; dermatitis; [potential occupational carcinogen]	Eyes, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, chloroform-like odor. BP: 237°F UEL: 15.5% LEL: 6%
1,1-Dichloroethane	75-34-3	TWA 100 ppm	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation skin; central nervous system depression; liver, kidney, lung damage	Skin, liver, kidneys, lungs, central nervous system	Colorless, oily liquid with a chloroform-like odor. BP: 135°F Fl.P: 2°F UEL: 11.4% LEL: 5.4%
1,1-Dichloroethene	75-35-4	TWA 5 ppm	Ca (lowest feasible concentration	TWA 1ppm	Ca [N.D.]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, throat; dizziness, headache, nausea, dyspnea (breathing difficulty); liver, kidney disturbance; pneumonitis; [potential occupational carcinogen]	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid or gas (above 89°F) with a mild, sweet, chloroform-like odor. BP: 89°F Fl.P: -2°F UEL: 15.5% LEL: 6.5% Class IA Flammable Liquid
1,2,4-Trimethylbenzene	95-63-6	None established	TWA 25 ppm (125mg/m^3)	None established	N.D.	Inhalation; ingestion; skin and/or eye contact	Eye, skin, nose, and throat, resp syst irritation; bronchitis; hypochromic anemia; headache, drowsiness, weakness, dizziness, nausea, incoordination, vomit, confusion; chemical pneumonitis	Eyes, skin, resp sys, CNS, blood	Clear, colorless liquid with a distinctive, aromatic odor BP: 337°F FL.P: 112°F UEL: 6.4% LEL: 0.9% Class II Flammable liquid
1,2,4-Trimethylbenzene	95-63-6	TWA 25 ppm (125 mg	TWA 25 ppm (125 mg/m^3)	None established	N.D.	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, fatigue, dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system, blood	Clear, colorless liquid with a distinctive, aromatic odor. BP: 337°F Fl.P: 112°F UEL: 6.4% LEL: 0.9% Class II Flammable Liquid
1,2-Dichlorobenzene	95-50-1	TWA 25 ppm STEL 50 ppm	C 50 ppm (300 mg/m^3)	C 50 ppm (300 mg/m^3)	200 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; liver, kidney damage; skin blisters	Eyes, skin, respiratory system, liver, kidneys	Colorless to pale-yellow liquid with a pleasant, aromatic odor. [herbicide] BP: 357°F Fl.P: 151°F UEL: 9.2% LEL: 2.2% Class IIIA Combustible Liquid
1,2-Dichloroethane	107-06-2	TWA 10 ppm	Ca TWA 1 ppm (4 mg/m^3) STEL 2 ppm (8 mg/m^3)	TWA 50 ppm C 100 ppm 200 ppm [5-minute maximum peak in any 3 hours]	Ca [50 ppm]	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, corneal opacity; central nervous system depression; nausea, vomiting; dermatitis; liver, kidney, cardiovascular system damage; [potential occupational carcinogen]	Eyes, skin, kidneys, liver, central nervous system, cardiovascular system	Colorless liquid with a pleasant, chloroform-like odor. [Note: Decomposes slowly, becomes acidic & darkens in color.] BP: 182°F Fl.P: 56°F UEL: 16% LEL: 6.2% Class IB Flammable Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
1,2-Dichloroethene (total)	540-59-0	TWA 200 ppm (790 m	TWA 200 ppm (790 mg/m^3)	TWA 200 ppm (790 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; central nervous system depression	Eyes, respiratory system, central nervous system	Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor BP: 118-140°F Fl.P: 36-39°F UEL: 12.8% LEL: 5.6% Class IB Flammable Liquid
1,3,5-Trimethylbenzene	108-67-8	None established	TWA 25 ppm (125mg/m^3)	None established	N.D.	Inhalation; ingestion; skin and/or eye contact	Eye, skin, nose, and throat, resp syst irritation; bronchitis; hypochromic anemia; headache, drowsiness, weakness, dizziness, nausea, incoordination, vomit, confusion; chemical pneumonitis	Eyes, skin, resp sys, CNS, blood	Clear, colorless liquid with a distinctive, aromatic odor BP: 329°F FL.P: 122°F Class II Flammable liquid
1,3,5-Trimethylbenzene	108-67-8	TWA 25 ppm (125 mg	TWA 25 ppm (125 mg/m^3)	None established	N.D	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system, blood	Clear, colorless liquid with a distinctive, aromatic odor. BP: 329°F Fl.P: 122°F Class II Flammable Liquid
1,4-Dichlorobenzene	106-46-7	TWA 10 ppm	Ca	TWA 75 ppm (450 mg/m^3)	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Eye irritation, swelling periorbital (situated around the eye); profuse rhinitis; headache, anorexia, nausea, vomiting; weight loss, jaundice, cirrhosis; in animals: liver, kidney injury; [potential occupational carcinogen]	Liver, respiratory system, eyes, kidneys, skin	Colorless or white crystalline solid with a mothball-like odor. [insecticide] BP: 345°F Fl.P: 150°F LEL: 2.5% Combustible Solid
2,4-Dimethylphenol	105-67-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system, mouth, throat, stomach; dizziness, weakness, fatigue, nausea, headache; systemic damage; moderate to severe eye injury.	Skin, CVS, eyes, CNS	Clear, colorless liquid with a faint ether or chloroform-like odor BP: 178°F
2-Butanone (MEK)	78-93-3	TWA 200 ppm (590 mg/m^3) STEL 300 ppm (885 mg/m^3)	TWA 200 ppm (590 mg/m^3) STEL 300 ppm (885 mg/m^3)	TWA 200 ppm (590 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; headache; dizziness; vomiting; dermatitis	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a moderately sharp, fragrant, mint- or acetone-like odor. BP: 175°F Fl.P: 16°F UEL(200°F): 11.4% LEL(200°F): 1.4% Class IB Flammable Liquid
Acenaphthene	83-32-9	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Brown solid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Acetone	67-64-1	TWA 200 ppm STEL 500 ppm	TWA 250 ppm (590 mg/m^3)	TWA 1000 ppm (2400 mg/m^3)	2500 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, nose, throat; headache, dizziness, central nervous system depression; dermatitis	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a fragrant, mint-like odor BP: 133°F Fl.P: 0°F UEL: 12.8% LEL: 2.5% Class IB Flammable Liquid
Anthracene	65996-93-2	TWA 0.2 mg/m^3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
Antimony	7440-36-0	TWA 0.5 mg/m^3	TWA 0.5 mg/m^3	TWA 0.5 mg/m^3	50 mg/m^3 (as Sb	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, mouth; cough; dizziness; headache; nausea, vomiting, diarrhea; stomach cramps; insomnia; anorexia; unable to smell properly	Eyes, skin, respiratory system, cardiovascular system	Silver-white, lustrous, hard, brittle solid; scale-like crystals; or a dark-gray, lustrous powder. BP: 2975°F
Arsenic (inorganic)	7440-38-2 (metal)	TWA 0.01 mg/m3	Ca C 0.002 mg/m3 [15-min]	TWA 0.010 mg/m3	Ca [5 mg/m3 (as As)]	Inhalation; ingestion; skin absorption; skin and/or eye contact	Ulceration of nasal septum, dermatitis, GI disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]	Liver, kidneys, skin, lungs, lymphatic sys	Metal: sliver-gray or tin-white, brittle, odorless solid BP: sublimes
Asbestos	1332-21-4	TWA 0.1 f/cc	Ca 100,000 fibers/m3	TWA 0.1 fiber/cm3	Ca [IDLH value has not been determined]	Inhalation; ingestion; skin and/or eye contact	Asbestosis (chronic exposure), dyspnea, interstitial fibrosis, restricted pulmonary function, finger clubbing, irritation eyes, [potential occupational carcinogen]	Respiratory system, eyes,	White or greenish (chrysotile), blue (crocidolite), or gray-green (amosite), fibrous, odorless solids. BP: decomposes
Asphalt fumes	8052-42-4	TWA 0.5 mg/m^3(fumes)	Ca C 5 mg/m3 [15 min]	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; skin and/or eye contact	Irritation eyes, resp sys	Eyes, respiratory system	Black or dark brown cement-like substance Combustible solid
Barium	7440-39-3	TWA 0.5 mg/m3	None established	TWA 0.5 mg/m3	None established	Inhalation, ingestion, skin contact	Irritation skin, respiratory system,	Skin, eyes, respiratory system	Yellow white powder BP: 1640 C
Benzene	71-43-2	TWA 0.5 ppm STEL 2.5 ppm	Ca TWA 0.1 ppm STEL 1 ppm	TWA 1 ppm STEL 5 ppm	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]	Eyes, skin, respiratory system, blood, central nervous system, bone marrow	Colorless to light yellow liquid with an aromatic odor [Note: Solid below 42 °F] BP: 176°F Fl.Pt = 12°F LEL: 1.2% UEL: 7.8% Class B Flammable liquid
Benzo[a]anthracene	56-55-3	None established	None established	None established	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	Irritation eyes, skin, respiratory system, CNS	Skin	Pale Yellow crystal, solid BP: 438 C

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Benzo[a]pyrene	50-32-8	None established	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	POISON. This material is an experimental carcinogen, mutagen, tumorigen, neoplastigen and teratogen. It is a probable carcinogen in humans and a known human mutagen. IARC Group 2A carcinogen. It is believed to cause bladder, skin and lung cancer. Exposure to it may damage the developing foetus. May cause reproductive damage. Skin, respiratory and eye irritant or burns.	Skin, eye, bladder, lung, reproductive	Yellow crystals or powder [found in cigarette smoke, coal tar, fuel exhaust gas and in many other sources] BP: 495 C
Benzo[b]fluoranthene	205-99-2	None established	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin and/or eye contact	No data were identified on the toxicity of benzo[b]fluoranthene to humans. Based on results of studies in animals, IARC concluded that benzo[b]fluoranthene is possibly carcinogenic to humans	Respiratory system, skin, bladder, kidneys	Off-white to tan powder
Benzo[k]fluoranthene	207-08-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, gastrointestinal; fatal if swallowed, inhaled, absorbed through the skin; vomiting, nausea, diarrhea	Lungs, respiratory system	Yellow crystals BP: 480 C
Beryllium	7440-41-7 (metal)	TWA 0.002 mg/m^3	Ca C 0.0005 mg/m^3	TWA 0.002 mg/m^3 C 0.005 mg/m^3 (30 minutes) with a maximum peak of 0.025 mg/m^3	Ca [4 mg/m^3 (as Be)]	inhalation, skin and/or eye contact	Berylliosis (chronic exposure): anorexia, weight loss, lassitude (weakness, exhaustion), chest pain, cough, clubbing of fingers, cyanosis, pulmonary insufficiency; irritation eyes; dermatitis; [potential occupational carcinogen]	Eyes, skin, respiratory system	Metal: A hard, brittle, gray-white solid. BP: 4532°F
Bis(2-ethylhexyl) phthalate	117-81-7	TWA 5 mg/m^3	TWA 5 mg/m^3 STEL 10 mg/m^3 (do not exceed during andy 15-minute work period)	TWA 5 mg/m^3	None established	inhalation, skin and/or eye contact	Irritation eyes, skin, nose, throat; affect the nervous system and liver; damage to male reproductive glands	Eyes, skin, nose, respiratory system, nervous system, reproductive system, liver	Colorless to light colored, thick liquid with slight odor
Butane	106-97-8	TWA 1000 ppm	TWA 800 ppm (1900 mg/m^3)	None established	None established	inhalation, skin and/or eye contact (liquid)	Drowsiness, narcosis, asphyxia; liquid: frostbite	central nervous system	Colorless gas with a gasoline-like or natural gas odor. BP: 31°F UEL: 8.4% LEL: 1.6% Flammable Gas
Cadmium	7440-43-9 (metal)	TWA 0.01 mg/m^3	Ca	TWA 0.005 mg/m^3	Ca [9 mg/m^3 (as Cd)]	inhalation, ingestion	Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen]	respiratory system, kidneys, prostate, blood	Metal: Silver-white, blue-tinged lustrous, odorless solid. BP: 1409°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Carbon Disulfide	75-15-0	TWA 1 ppm	TWA 1 ppm (3 mg/m^3) STEL 10 ppm (30 mg/m^3) [skin]	TWA 20 ppm C 30 ppm 100 ppm (30-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Dizziness, headache, poor sleep, lassitude (weakness, exhaustion), anxiety, anorexia, weight loss; psychosis; polyneuropathy; Parkinson-like syndrome; ocular changes; coronary heart disease; gastritis; kidney, liver injury; eye, skin burns; dermatitis; reproductive effects	central nervous system, peripheral nervous system, cardiovascular system, eyes, kidneys, liver, skin, reproductive system	Colorless to faint-yellow liquid with a sweet ether-like odor. BP: 116°F Fl.P: -22°F UEL: 50.0% LEL: 1.3% Class IB Flammable Liquid
Chlorobenzene	108-90-7	TWA 10 ppm	None established	TWA 75 ppm (350 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; drowsiness, incoordination; central nervous system depression; in animals: liver, lung, kidney injury	Eyes, skin, respiratory system, central nervous system, liver	Colorless liquid with an almond-like odor BP: 270°F Fl.P: 82°F UEL: 9.6% LEL: 1.3%
Chloroethane	75-00-3	TWA 100ppm	Handle with caution in the workplace	TWA 1000 ppm (2600 mg/m^3)	3800 ppm [10%LEL]	inhalation, skin absorption (liquid), ingestion (liquid), skin and/or eye contact	Incoordination, inebriation; abdominal cramps; cardiac arrhythmias, cardiac arrest; liver, kidney damage	Liver, kidneys, respiratory system, cardiovascular system, central nervous system	Colorless gas or liquid (below 54°F) with a pungent, ether-like odor. BP: 54°F Fl.P: NA (Gas) -58°F (Liquid) UEL: 15.4% LEL: 3.8%
Chloroform	67-66-3	TWA 10 ppm	Ca STEL 2 ppm (9.78 mg/m^3) [60-minute]	C 50 ppm (240 mg/m^3)	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; dizziness, mental dullness, nausea, confusion; headache, lassitude (weakness, exhaustion); anesthesia; enlarged liver; [potential occupational carcinogen]	Liver, kidneys, heart, eyes, skin, central nervous system	Colorless liquid with a pleasant odor BP: 143°F
Chromium	7440-47-3	TWA 0.5 mg/m^3 (metal and Cr III compounds) TWA 0.05 mg/m^3 (water-soluble Cr IV compounds) TWA 0.01 mg/m^3 (insoluble Cr IV compounds)	TWA 0.5 mg/m^3	TWA 1 mg/m^3	250 mg/m^3 (as Cr)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; lung fibrosis (histologic)	Eyes, skin, respiratory system	Blue-white to steel-gray, lustrous, brittle, hard, odorless solid. BP: 4788°F
Chrysene; Phenanthrene; Pyrene; Coal tar pitch volatiles	65996-93-2	TWA 0.2 mg/m3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	Respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
cis-1,2-Dichloroethene	158-59-2	TWA 200 ppm	TWA 200 ppm	TWA 200 ppm	None established	inhalation, skin absorption, ingestion	Harmful if swallowed, inhaled, or absorbed through skin. Irritant. Narcotic. Suspected carcinogen	Skin	Colorless liquid BP: 60 C Fl.P: 4 C UEL: 12.8% LEL: 9.7 %
Copper	7440-50-8	TWA 0.2mg/m^3 (fume) 1 mg/m^3 (dusts and mists)	TWA 1 mg/m^3	TWA 1 mg/m^3	100 mg/m^3 (as Cu)	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; cough, dyspnea (breathing difficulty), wheezing	Eyes, skin, respiratory system, liver, kidneys (increase(d) risk with Wilson's disease)	Noncombustible Solid in bulk form, but powdered form may ignite. BP: 4703°F
Dibenzo[a,h]anthracene	53-70-3	None established	None established	None established	None established	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin	Eyes, skin; skin photosensitization.	Colorless crystalline powder BP: 524°C

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Diesel Fuel #2	68476-34-6	None established	None established	Designated as an OSHA Select Carcinogen	None established	ingestion, skin and/or eye contact	Kidney damage; potential lung damage; suspected carcinogen; irritation of eyes, skin, respiratory tract; dizziness, headache, nausea; chemical pneumonitis (from aspiration of liquid); dry, red skin; irritant contact dermatitis; eye redness, pain.	Eyes, skin, kidneys	Clear yellow brown combustible liquid; floats on water; distinct diesel petroleum hydrocarbon odor. BP: 356-716°F Fl.P: 154.4-165.2°F LEL: 0.6% UEL: 7.0%
Ethylbenzene	100-41-4	TWA 100 ppm STEL 125 ppm	TWA 100 ppm (435 mg/m^3) STEL 125 ppm (545 mg/m^3)	TWA 100 ppm (435 mg/m^3)	800 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with an aromatic odor. BP: 277°F Fl.P: 55°F UEL: 6.7% LEL: 0.8% Class IB Flammable Liquid
Fluoranthene	206-44-0	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible burns; heart and liver injury, pulmonary edema, respiratory arrest, gastrointestinal disturbances.	Heart, liver, lungs.	Yellow needles.
Fluorene	86-73-7	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation skin, digestive tract	Skin	White crystals BP: 563°F
Fuel Oil #2	68476-30-2	TWA 100mg/m^3 (aerosol and vapor, as total hydrocarbons)	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS effects; nausea, vomiting, headache, cramping, dizziness, weakness, loss of coordination,, drowsiness; kidney, liver damage	Eyes, skin, CNS	Clear or yellow to red oily liquid, kerosene-like odor BP: 347 - 689 °F UEL:5-6% LEL: 0.7-1.0%
Gasoline	8006-61-9	TWA 300 ppm STEL 500 ppm	Carcinogen	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; ingestion; skin and/or eye contact	Eyes and skin irritation, mucous membrane; dermatitis; headache; listlessness, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis; possible liver, kidney damage [Potential occupational carcinogen]	Eyes, skin, respiratory system, CNS, Liver, Kidneys	Clear liquid with a characteristic odor, aromatic Fl.Pt = -45°F LEL = 1.4% UEL = 7.6% Classs 1B Flammable Liquid
Hexachlorobutadiene	87-68-3	TWA 0.02 ppm	Ca TWA 0.02 ppm (0.24 mg/m^3) [skin]	None established	Ca [N.D.]	inhalation, skin absorption, ingestion, skin and/or eye contact	In animals: irritation eyes, skin, respiratory system; kidney damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, kidneys	Clear, colorless liquid with a mild, turpentine-like odor. BP: 419°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Hydrogen Sulfide	7783-06-4	TWA (10 ppm) STEL (15 ppm) (adopted values for which changes are proposed in the NIC)	C 10 ppm (15 mg/m^3) [10-minute]	C 20 ppm 50 ppm [10-minute maximum peak]	100 ppm	inhalation, skin and/or eye contact	Irritation eyes, respiratory system; apnea, coma, convulsions; conjunctivitis, eye pain, lacrimation (discharge of tears), photophobia (abnormal visual intolerance to light), corneal vesiculation; dizziness, headache, lassitude (weakness, exhaustion), irritability, insomnia; gastrointestinal disturbance; liquid: frostbite	Eyes, respiratory system, central nervous system	Colorless gas with a strong odor of rotten eggs. BP: -77°F UEL: 44.0% LEL: 4.0% Flammable Gas
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impariment of blood forming tissue	Skin	Fluorescent green-yellow crystalline solid BP: 536 C
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impariment of blood forming tissue	Skin	Yellowish crystal solid BP: 536 C
Isopropylbenzene	98-82-8	TWA 50 ppm	TWA 50 ppm (245 mg/m^3) [skin]	TWA 50 ppm (245 mg/m^3) [skin]	900 ppm [10%LEL]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; dermatitis; headache, narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a sharp, penetrating, aromatic odor. BP: 306°F Fl.P: 96°F UEL: 6.5% LEL: 0.9%
Kerosene	8008-20-6	TWA 200 mg/m^3	TWA 100 mg/m^3	None established	IDLH value has not been determined	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; burning sensation in chest; headache, nausea, lassitude (weakness, exhaustion), restlessness, incoordination, confusion, drowsiness; vomiting, diarrhea; dermatitis; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system	Colorless to yellowish, oily liquid with a strong, characteristic odor. BP: 347-617°F Fl.P: 100-162°F UEL: 5% LEL: 0.7% Class II Combustible Liquid
Lead	7439-92-1	TWA 0.05 mg/m^3	TWA (8-hour) 0.050 mg/m^3	TWA 0.050 mg/m^3	100 mg/m^3 (as Pb)	inhalation, ingestion, skin and/or eye contact	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue	A heavy, ductile, soft, gray solid. BP: 3164°F Noncombustible Solid in bulk form

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Manganese	7439-96-5 (metal)	TWA 0.2 mg/m^3	TWA 1 mg/m^3 STEL 3 mg/m^3	C 5 mg/m^3	500 mg/m^3 (as Mn)	inhalation, ingestion	Manganism; asthenia, insomnia, mental confusion; metal fume fever: dry throat, cough, chest tightness, dyspnea (breathing difficulty), rales, flu-like fever; low-back pain; vomiting; malaise (vague feeling of discomfort); lassitude (weakness, exhaustion); kidney damage	respiratory system, central nervous system, blood, kidneys	A lustrous, brittle, silvery solid. BP: 3564°F
Mercury (organo) alkyl compounds (as Hg)	7439-97-6	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 C 0.04 mg/m^3	2 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Paresthesia; ataxia, dysarthria; vision, hearing disturbance; spasticity, jerking limbs; dizziness; salivation; lacrimation (discharge of tears); nausea, vomiting, diarrhea, constipation; skin burns; emotional disturbance; kidney injury; possible teratogenic effects	Eyes, skin, central nervous system, peripheral nervous system, kidneys	Appearance and odor vary depending upon the specific (organo) alkyl mercury compound
Mercury compounds [except (organo) alkyls] (as Hg) Mercury	7439-97-6	TWA 0.025 mg/m^3 (elemental and inorganic forms)	Hg Vapor: TWA 0.05 mg/m^3 [skin] Other: C 0.1 mg/m3 [skin]	TWA 0.1 mg/m^3	10 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria	Eyes, skin, respiratory system, central nervous system, kidneys	Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.] BP: 674°F
Methyl tert-butyl ether (MTBE)	1634-04-4	TWA 50 ppm	No established REL	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, mucous membrane, respiratory; dizziness, nausea, headache, intoxication	Eyes, skin, mucous membrane, respiratory system, central nervous system	Colorless liquid BP: 55.2 C
Methylene Chloride	75-09-2	TWA 50 ppm, A3 - suspected human carcinogen	Ca	TWA 25 ppm STEL 125 ppm	Ca [2300 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; lassitude (weakness, exhaustion), drowsiness, dizziness; numbness, tingle limbs; nausea; [potential occupational carcinogen]	Eyes, skin, cardiovascular system, central nervous system	Colorless liquid with a chloroform-like odor BP: 104°F UEL: 23% LEL: 13%
Metals Remediation Compound (MRC): Glycerol Tripolylactate Sorbitol Cysteinate Lactic Acid Glycerol	 201167-72-8 444618-64-8 50-21-5 56-81-5	None established	None established	None established	None established	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, skin, respiratory tract	Behavioral (headache), gastrointestinal tract, reproductive system	Viscous amber gel/liquid; strong amine/sulfur odor
Naphtha (coal tar)	8030-30-6	None established	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	1000 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; dizziness, drowsiness; dermatitis; in animals: liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Reddish-brown, mobile liquid with an aromatic odor BP: 320-428°F Fl.P: 100-109°F Class II Combustible Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Naphthalene	91-20-3	TWA 2 ppm STEL 15 ppm	TWA 10 ppm (50 mg/m^3) STEL 15 ppm (75 mg/m^3)	TWA 10 ppm (50 mg/m^3)	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage	Eyes, skin, blood, liver, kidneys, central nervous system	Colorless to brown solid with an odor of mothballs. BP: 424°F Fl.P: 174°F UEL: 5.9% LEL: 0.9%
n-Butylbenzene	104-51-8	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS depression, lung damage; nausea, vomiting, headache, dizziness, weakness, loss of coordination, blured vision, drowsiness, confusion, disorientation	Eyes, skin,repiratory system, central nervous system	Colorless liquid with a sweet odor BP: 183 C Fl.P: 59 C UEL: 5.8% LEL: 0.8%
Nickel	7440-02-0 (Metal)	TWA 1.5 mg/m^3 (elemental) TWA 0.1 mg/m^3 (soluble inorganic compounds) TWA 0.2 mg/m^3 (insoluble inorganic compounds) TWA 0.1 mg/m^3 (Nickle subsulfide)	Ca TWA 0.015 mg/m^3	TWA 1 mg/m^3	Ca [10 mg/m^3 (as Ni)]	inhalation, ingestion, skin and/or eye contact	Sensitization dermatitis, allergic asthma, pneumonitis; [potential occupational carcinogen]	Nasal cavities, lungs, skin	Metal: Lustrous, silvery, odorless solid. BP: 5139°F
Nitrobenzene	98-95-3	TWA 1 ppm	TWA 1 ppm (5 mg/m^3) [skin]	TWA 1 ppm (5 mg/m^3) [skin]	200 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; anoxia; dermatitis; anemia; methemoglobinemia; in animals: liver, kidney damage; testicular effects	Eyes, skin, blood, liver, kidneys, cardiovascular system, reproductive system	Yellow, oily liquid with a pungent odor like paste shoe polish. BP: 411°F Fl.P: 190°F LEL(200°F): 1.8%
n-Propylbenzene	103-65-1	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Harmful if swallowed, Irritation eyes, skin, digestive tract, respiratory tract, central nervous system	Eyes, skin, central nervous system, respiratory system	colorless or light yellow liquid BP: 159 C Fl.P: 47 C UEL: 6% LEL: 0.8%
Petroleum hydrocarbons(Petroleum distillates)	8002-05-9	None established	TWA 350 mg/m^3 C 1800 mg/m^3 [15 min]	TWA 500 ppm (2000 mg/m^3)	1,100 [10% LEL]	Inhalation; ingestion; skin and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, drowsiness, headache, nausea; dried/cracked skin; chemical pneumonitis	CNS, eyes, respiratory system, skin	Colorless liquid with a gasoline or kerosene-like odor BP: 86-460°F Fl. Pt = -40 to -86°F UEL: 5.9% LEL: 1.1% Flammable liquid
Phenol	108-95-2	TWA 5 ppm	TWA 5 ppm (19 mg/m^3) C 15.6 ppm (60 mg/m^3) [15-minute] [skin]	TWA 5 ppm (19 mg/m^3) [skin]	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose, throat; anorexia, weight loss; lassitude (weakness, exhaustion), muscle ache, pain; dark urine; cyanosis; liver, kidney damage; skin burns; dermatitis; ochronosis; tremor, convulsions, twitching	Eyes, skin, respiratory system, liver, kidneys	Colorless to light-pink, crystalline solid with a sweet, acrid odor. BP: 359°F UEL: 8.6% LEL: 1.8%

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
p-Isopropyltoluene	99-87-6	None established	None established	None established	None established	inhalation, skin absorption, eye contact	Irritation skin	CNS, skin	Colorless, clear liquid, sweetish aromatic odor BP: 350.8°F Class III Flammable liquid
Regenox Part A: Sodium Percarbonate Sodium Carbonate Monohydrate Silicic Acid Silica Gel	 15630-89-4 5968-11-6 7699-11-6 63231-67-4	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation respiratory tract, mucous membranes, nose, throat, eyes, skin; gastrointestinal disturbance	Respiratory system, eyes, skin	Odorless, white, powder [Note: Self-accelerating decomposition with oxygen release starts at 50° C]
Regenox Part B: Silicic Acid, Sodium Salt, Sodium Silicate; Silica Gel; Ferrous Sulfate; Water	 1344-09-8 63231-67-4 7720-78-7 7732-18-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation respiratory tract, mucous membranes, nose, throat, eyes, skin, mouth, esophagus and stomach	Respiratory system, eyes, skin, gastrointestinal tract	Odorless, Blue/Green, liquid [Note: Oxides of carbon and silicon may be formed when heated to decomposition]
sec-Butylbenzene	135-98-8	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, upper airway; central nervous system, headache, dizziness; gastrointestinal disturbance	Respiratory system, central nervous system, eyes, skin;	Colorless liquid BP: 344°F Fl.P: 126 °F UEL: 6.9% LEL: 0.8% Combustible liquid
Selenium	7782-49-2	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	1 mg/m^3 (as Se)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; visual disturbance; headache; chills, fever; dyspnea (breathing difficulty), bronchitis; metallic taste, garlic breath, gastrointestinal disturbance; dermatitis; eye, skin burns; in animals: anemia; liver necrosis, cirrhosis; kidney, spleen damage	Eyes, skin, respiratory system, liver, kidneys, blood, spleen	Amorphous or crystalline, red to gray solid. [Note: Occurs as an impurity in most sulfide ores.] BP: 1265°F
Silver	7440-22-4 (metal)	TWA 0.1 mg/m^3 (metal, dust, fumes) TWA 0.01 mg/m^3 (Soluble compounds, as Ag)	TWA 0.01 mg/m^3	TWA 0.01 mg/m^3	10 mg/m^3 (as Ag)	inhalation, ingestion, skin and/or eye contact	Blue-gray eyes, nasal septum, throat, skin; irritation, ulceration skin; gastrointestinal disturbance	Nasal septum, skin, eyes	Metal: White, lustrous solid BP: 3632°F
Slop Oil	69029-75-0	None established	None established	None established	None established	Inhalation; ingestion	Irritation eyes, skin, gastrointestinal tract	Eyes, skin, gastrointestinal tract	Clear light to dark amber liquid, with mild hydrocarbon odor. BP: >500°F Fl.P : 250°F
Sulfuric Acid	7664-93-9	TWA 0.2 mg/m^3	TWA 1 mg/m^3	TWA 1 mg/m^3	15 mg/m^3	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; pulmonary edema, bronchitis; emphysema; conjunctivitis; stomatis; dental erosion; eye, skin burns; dermatitis	Eyes, skin, respiratory system, teeth	Colorless to dark-brown, oily, odorless liquid. BP: 554°F Noncombustible Liquid
tert-Butylbenzene	98-06-6	None established	None established	None established	None established	inhalation, skin absorption, ingestion,	Eye and respiratory irritant; CNS depression; liver or kidney damage	Respiratory system, central nervous system, eyes, liver, kidney	Colorless liquid with an aromatic odor BP: 168 - 169 C Fl.P: 34 C UEL:5.6 % LEL: 0.8 %

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Tetrachloroethene	127-18-4	TWA 25 ppm STEL 100 ppm (STEL) listed as A3, animal carcinogen	Ca Minimize workplace exposure concentrations	TWA 100 ppm C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, liver, kidneys, central nervous system	Colorless liquid with a mild, chloroform-like odor. BP: 250°F Noncombustible Liquid
Toluene	108-88-3	TWA 20 ppm	TWA 100 ppm (375 mg/m^3) STEL 150 ppm (560 mg/m^3)	TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, pungent, benzene-like odor. BP: 232°F Fl.P: 40°F UEL: 7.1% LEL: 1.1% Class IB Flammable Liquid
trans-1,2-Dichloroethene	156-60-5	TWA 200 ppm	None established	TWA 200 ppm STEL 250 ppm (skin)	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Narcotic. Irritation eyes, skin, respiratory tract, mucous membrane; CNS depression.	Respiratory tract, mucous membrane, eyes, skin, CNS	Colorless liquid with a fruity pleasant odor BP: 48°C Fl.P 6C UEL: 12.8% LEL: 9.7%
Trichloroethene	79-01-6	TWA 10 ppm STEL 25 ppm	Ca	TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)	Ca [1000 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system	Colorless liquid (unless dyed blue) with a chloroform-like odor. BP: 189°F UEL(77°F): 10.5% LEL(77°F): 8%
Vinyl Chloride	75-01-4	TWA 1 ppm	Carcinogen	TWA 1 ppm C 5 ppm [15-minute]	Ca [IDLH value has not been determined]	inhalation, skin, and/or eye contact (liquid)	Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]	Liver, central nervous system, blood, respiratory system, lymphatic system	Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. BP: 7°F UEL: 33.0% LEL: 3.6% Flammable Gas
Xylene (m, o & p isomers)	108-38-3, 95-47-6, 106-42-3	TWA 100 ppm (435 mg/m^3) STEL 150 ppm	TWA 100 ppm (435 mg/m^3)	TWA 100 ppm (435 mg/m^3)	900 ppm	Skin absorption, inhalation, ingestion, skin, and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis	Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys	Colorless liquid with an aromatic odor BP: 282°F, 292°F, 281°F Fl. Pt. 82°F, 90°F, 81°F LEL: 1.1%, 0.9%, 1.1% UEL: 7.0%, 6.7%, 7.0% Classs C Flammable Liquid
Zinc	7440-66-6	TWA 10 mg/m3 (Inhalable fraction)	None established	TWA 10 mg/m3 (for zinc oxide fume)	None established	skin and/or eye contact, inhalation, ingestion	Irritation eyes, skin, respiratory tract; gastrointestinal disturbances	Eyes, skin, respiratory system	Bluish gray solid BP: 1664.6°F Flammable

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5510 Broadway, New York

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Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists.
BP – boiling point at 1 atmosphere, °F
C – Ceiling, is a concentration that should not be exceeded during and part of the working exposure.
Ca - considered by NIOSH to be a potential occupational carcinogen
CAS# Chemical Abstracts Service registry number which is unique for each chemical.
Fl. Pt. – Flash point
IDLH - Immediately Dangerous to Life and Health concentrations represent the maximum concentration from which, in the event of respirator failure, one could escape within 30 minutes without a respirator and without experiencing any escape-impairing or irreversible health effects.
LEL – Lower explosive (flammable) limit in air, % by volume (at room temperature)
mg/m^3 – Milligrams of substance per cubic meter of air
NIOSH -National Institute for Occupational Safety and Health.
OSHA – Occupational Safety and Health Administration
PEL - OSHA Permissible Exposure Limit (usually) a time weighted average concentration that must not be exceeded during any 8 hour work shift of a 40 hr work week.
ppm – parts per million
REL – NIOSH Recommended Limit indicated a time weighted average concentration that must not be exceeded during any 10 hour work shift of a 40 hr work week
STEL – Short-term exposure limit
TLV -ACGIH Threshold Limit Values (usually 8 hour time weighted average concentrations).
TWA – 8-hour, time-weighted average
UEL – Upper explosive (flammable) limit in air, % by volume (at room temperature)

TABLE 2

ACTION LEVELS FOR WORKER BREATHING ZONE

Instrument	Action Level *	Level of Respiratory Protection/Action
PID	0 to <5 ppm (one minute sustained)	Level D *
PID	>5 to <50 ppm (one minute sustained)	Utilize APR (Level C)
PID	>50 to <100 ppm (one minute sustained)	Level B
PID	>100ppm	Stop work** (ventilate, apply foam)
CGI/H_2S Meter	<5%	Level D
CGI/H_2S Meter	>5% to <25%	Level B
CGI/H_2S Meter	>25%	Stop work**
CGI/CO Meter	>25%	Level B
CGI/CO Meter	>50%	Stop work** (ventilate area)
CGI/O_2 Meter	<10% LEL, in excavation	Level D
	19.5% oxygen – 23.5%	Level D
CGI/O_2 Meter	>10% LEL, in excavation	Allow to vent, apply foam**
	>23.5% oxygen	Stop work, Oxygen Enriched ATM**
Dust Monitor	0 – 1.0 mg/m^3, 5-minutes average	Level D
Dust Monitor	>1.0 to 5.0 mg/m^3, 5-minutes average	Level D – Institute dust suppression measures
Dust Monitor	5.0 to >50 mg/m^3, 5-minute average	Level C – Institute dust suppression measures

Note: Action levels are based on above background levels.

* Instrument readings will be taken in the breathing zone (BZ) of the workers, unless otherwise indicated.

** Suspend work in immediate area. Conduct air monitoring periodically to determine when work can continue. Implement mitigative measures.

APPENDIX A

Activity Hazard Analysis and Material Safety Data Sheets

JOB SAFETY ANALYSIS	Cntrl. No. GEN-011	DATE: 12/31/2012	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Site Recon**	**Site Walk and Inspection**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Chelsea Willett	Staff Assistant Geologist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: ear plugs as necessary ☒ SAFETY SHOES: Steel or composite toed	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: High-visibility vest, long sleeves	☒ GLOVES: Leather/cut-resistant/chemical resistant ☒ OTHER: tyvek and rubber boots as necessary, dust mask as necessary

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Site map and/or guide familiar with Site, operating cell phone or walkie-talkie if Site allows.

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE (EZ): A minimum 10' exclusion zone will be maintained around equipment.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Check in with Site manager.	**1a. CONTACT/EXPOSURE/FALL:** Lack of communication could result in H&S incident.	1a. Inform Site personnel of work scope, timeline and location(s). 1a. Inquire about other activities taking place at the Site.
2. Traversing the Site and setting up at work locations.	**2a. CONTACT:** Property damage and personal injury caused by obstructions/vehicles.	2a. Maintain speed limit of 5 mph on-site. 2a. All equipment must be stowed and secured prior to moving. Use wheel chocks on all construction vehicles when not in motion. 2a. Drive on established roadways. 2a. Yield to all pedestrians. 2a. Do not back up vehicle without spotter where visibility is limited; use pull-through spots or back into parking spots; use an audible signal (horn/back-up alarm) when backing up vehicles. 2a. Wear high visibility clothing/safety vest.
	2b. FALL: Uneven terrain and weather conditions. Overgrown shrubs and vines. Equipment in the workzone.	2b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 2b. Use established pathways and walk on stable, secure ground.
	2c. OVEREXERTION: Muscle strain while carrying equipment.	2c. When carrying equipment to/from work area, use proper lifting techniques; keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Use mechanical assistance or make multiple trips to carry equipment. 2c. Two people or a mechanical lifting device are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
	2d. EXPOSURE: Biological hazards - ticks, bees/wasps, poison ivy, insects, etc. (Ticks are most active any time the temperature is above freezing, typically from March to November)	2d. Inspect area to avoid contact with biological hazards. 2d. Ticks: • Treat outer clothing including pants, shirts, socks, boots and hats the evening before use with Permethrin (allowing at least two hours before use). • Apply DEET to exposed skin before travelling to the Site and reapply after two hours. • Check for ticks during and after work. 2d. Bees: Use bee spray to remove nests. Protect exposed skin with insect repellent. 2d. Poison Ivy: • Identify areas of poison ivy and spray with weed killer. Don Tyvek and rubber boots while traversing poison ivy areas. • If skin comes in contact with poison ivy, wash skin thoroughly with soap and water.
	2e. EXPOSURE: Sun, possibly causing sunburn.	2e. Wear sunscreen with SPF 15 or greater on exposed skin whenever 30 minutes or more of sun exposure is expected.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Define and secure the work area.	**3a. CONTACT:** Personal injury or property damage from other vehicles on-site.	3a. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route. 3a. Look both ways in high traffic areas. 3a. Position vehicle to protect against oncoming traffic. 3a. Use 42" traffic cone and caution tapesto delineate work area. Use a spotter in high traffic areas. 3a. Wear high visibility clothing/safety vest.
4. Walking near heavy equipment and machinery.	**4a. CONTACT:** Personal injury from Site and roadway traffic. Personal injury from flying debris.	4a. See 3a. 4a. Place traffic cones to re-direct traffic flow around work area and to alert others as to activity taking place. 4a. Maintain a minimum exclusion zone of 10 feet from all equipment. Task specific JSAs should be referenced to determine the actual exclusion zone for that piece of equipment being used. 4a. Keep body parts from being present within the line of fire of pinch points. 4a. Routinely inspect work area and be aware of location of all Site personnel. Make eye contact with operator prior to entering the work area. 4a. Wear safety glasses.
	4b. OVEREXERTION: Personal injury from lifting/moving/rotating equipment.	4b. See 2c.
	4c. EXPOSURE: Hearing damage from excavation activities. Inhalation/exposure to hazardous vapors and or dust.	4c. Monitoring air quality with multi-gas meter and dust meter, if necessary. Utilize water to suppress dust, if necessary. Wear dust mask, if necessary. 4c. Wear hearing protection if >85 dB. 4c. Always wear leather gloves when handling any tools or equipment. Wear cut-resistant gloves (Kevlar or similar) when handling sharp objects or cutting tools.
	4d. EXPOSURE: Working in a remote area.	4d. Use the "buddy system" whenever possible. If working alone, contact PM upon arrival/departure, as well as during work activities to be established by the PM prior to commencing work. 4d. Always carry a communication (i.e., cell phone, walkie-talkie) or directional (i.e., map, compass, etc.) device when traversing remote areas.
5. Working in adverse weather conditions.	**5a. EXPOSURE:** Heat Stress & Cold Stress. Personal injury from working in inclement weather conditions.	5a. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 5a. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 5a. Wear appropriate rain gear. 5a. Take frequent breaks if tired, wet, or cold/hot. Drink water. 5a. If lightning is observed, wait 30 minutes after last thunder boom/lightning bolt in a sheltered location (car acceptable) before starting work again.
6. Departing Site.	**6a. EXPOSURE:** Exposure to hazards should personnel believe Roux is on-Site during an emergency.	6a. Sign out or notify Site personnel of your departure.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object;
Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Cntrl. No. GEN-010	DATE: 12/31/2012	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Site Recon**	**Mobilization/Demobilization**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Jared Lefkowitz	Staff Assistant Scientist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Steel Toe or composite toe	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest of high-visibility clothing; long sleeve shirt; long pants	☐ GLOVES: Leather, nitrile, and cut resistant (as needed) ☐ OTHER

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment:

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A minimumexclusion zone of 10' will be maintained around moving equipment (if necessary)

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilize/demobilize and establish work area	**1a. FALL:** Slip/trips/falls from obstructions, uneven terrain, weather conditions, heavy loads, and/or poor housekeeping.	1a. Use 3 points-of-contact/ensure secure footing when entering and exiting vehicle. 1a. Inspect walking path for uneven terrain, steep hills, obstructions, and/or weather-related hazards (i.e., ice, snow, and puddles) prior to mobilizing equipment. Use established pathways.Walk on stable/secure ground. 1a. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1a. Wear boots with adequate treads. 1a. Delineate unsafe areas with 42" cones, caution tape and/or flagging.
	1b. CONTACT: Personal injury and/or property damage caused by being struck by Site traffic or equipment used in Site activities.	1b. Observe and maintain the posted speed limits. 1b. When first arriving onsite, park vehicles in designated parking space and/or out of the way locations. Use parking brake on all vehicles and tire chocks on work trucks and trailers. 1b. Check in with Site Manager/Supervisor to ensure coordination with other Site activities. 1b. Identify potential traffic sources. 1b. Wear PPE including high visibility clothing or reflective vest. 1b. Use a spotter while moving work vehicles; plan ahead to avoid backing when unnecessary. 1b. Maintain a minimum 10' exclusion zone when vehicles are in motion. When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. 1b. Delineate work area with 42" cones, flags, caution tape, and/or other barriers. 1b. Position "Work Area" signs at Site entrances, if possible, or at either side of work area. 1b. Position largest vehicle to protect against oncoming traffic. 1b. Face traffic, maintain eye contact with oncoming vehicles, use a spotter, and establish a safe exit route.
	1c. CAUGHT: Personal injury from pinch points and being in line-of-fire of vehicle and/or equipment.	1c. Make sure driver has engaged parking brake and placed wheel chocks in a position to prevent movement. Be sure that vehicle is parked in front/down gradient of work area. 1c. Wear leather gloves when handling any tools or equipment. Avoid wearing loose clothing. Wear cut-resistant gloves (Kevlar or similar) when handling sharp objects/cutting tools. 1c. Keep body parts away from line-of-fire of equipment. 1c. Always carry tools by the handles and/or designated carrier. Ensure sharp-edged tools are sheathed/secure. 1c. Remove any loose jewelry. Ensure loose clothing is secure.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.
[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.
[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
	1d. OVEREXERTION: Muscle strains while lifting/carrying equipment.	1d. Use body positioning and lifting techniques that avoid muscle strain; keep back straight, lift with legs, keep load close to body, and never reach with a load. 1d. Ensure that loads are balanced. Use assistance (mechanical or additional person) to carry equipment that is either awkward to carry or over 50 lbs.
	1e. EXPOSURE: Personal injury from exposure to biological and environmental hazards.	1e. Inspect area to avoid contact with biological hazards (i.e. poisonous plants, stinging insects, ticks, etc.). 1e. Wear long sleeved clothes, apply insect repellant containing DEET, and inspect clothes and skin for ticks during and after work. 1e. Apply sunscreen (SPF 15+) if exposure to sun for 30 minutes or more is expected.
	1f. EXPOSURE: Heat and cold related injuries.	1f. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 1f. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 1f. Wear clothing appropriate for weather and temperature conditions (e.g., rain jackets, snow pants, multiple layers). 1f. If lightning is observed, wait 30 minutes in a sheltered location (car is acceptable) before resuming work.
	1g. EXPOSURE: Personal injury from noise hazards.	1g. Wear hearing protection if sound levels exceed 85 dBA.

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JOB SAFETY ANALYSIS	**Ctrl. No. GEN-005**	DATE 12/10/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE:	WORK ACTIVITY (Description):
Generic	**Gauging and Sampling**	**Gauging and Sampling**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Gina Masciello	Project Scientist	Curtis Taylor	SHSM
		Michael Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Knee pads, Insect Repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

42 inch Safety Cones, Caution Tape, Interface Probe and/or Water Level Meter, 20 lb. Fire Extinguisher, Buckets. Tools as needed: Socket Wrench, Screw Driver, Crow Bar, Mallet, and Wire Brush.

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization to monitoring well(s).	1a. **FALL:** Personal injury from slip/trip/fall due to uneven terrain and/or obstructions. 1b. **CONTACT:** With traffic/third parties. 1c. **EXPOSURE:** To biological hazards.	1a. Inspect pathway and plan for most suitable designated pathway prior to mobilization. 1a. Use established pathways, walk and/or drive on stable, secure, ground and avoid steep hills or uneven terrain. 1b. Identify potential traffic sources and delineate work area with 42 inch traffic safety cones. Position vehicle to protect against oncoming traffic. Use caution tape to provide a more visible delineation of the work area if necessary. 1b. Wear appropriate PPE including high visibility clothing or reflective vest. 1b. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route. 1c. Inspect work area for bees and insects. 1c. Use insect/tick repellent as necessary.
2. Open/close well.	2a. **OVEREXERTION:** Muscle strain. 2b. **CAUGHT:** Pinch points associated with removing/replacing manholes and working with hand tools. 2c. **EXPOSURE:** To potential hazardous vapors.	2a. Use proper lifting techniques; keep back straight, lift with legs and bend knees when reaching to open/close well. 2b. Wear leather gloves or cut resistant gloves when working with well cover and hand tools. 2b. Use proper tools (ratchet and pry bar for well cover) and inspect before use. 2b. Do not put fingers under well cover. 2c. No open flames/heat sources. 2c. To minimize exposure to vapors allow well to vent after opening it and before sampling activities begin. 2c. Stand up-wind, if possible, to avoid vapors.
3. Gauge well.	3a. **CONTACT:** With contamination (e.g. contaminated groundwater). 3b. **CONTACT:** With traffic.	3a. Wear chemical-resistant disposable gloves and safety glasses when gauging well. 3a. Insert and remove probe slowly to avoid splashing. 3a. Use an absorbent pad to clean probe. 3b. See 1b.
4. Purge and sample well.	4a. **EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors) and/or sample preservatives.	4a. Open and fill sample jars slowly to avoid splashing and contact with preservatives. 4a. Wear cut-resistant gloves and chemical-resistant disposable gloves when sampling. 4a. Fill sample containers over purge container to avoid spilling water onto the ground. 4a. Use an absorbent pad to clean spills.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
4. Purge and sample well (Continued).	4b. **CONTACT:** Personal injury from cuts, abrasions, or punctures by glassware or sharp objects.	4b. To avoid spills or breakage, place sample ware on even surface. 4b. Do not over tighten caps on glass sample ware. 4b. Wear cut-resistant (i.e., Kevlar) gloves and chemical-resistant disposable gloves when sampling and handling glassware (i.e., VOA vials) or when using cutting tools.
	4c. **EXERTION:** Muscle strain while carrying equipment.	4c. Use proper lifting techniques when handling/moving equipment; bend knees and keep back straight. 4c. Use mechanical assistance or team lifting techniques when equipment is 50lbs or heavier. 4c. Make multiple trips to carry equipment.
	4d. **CONTACT:** With traffic.	4d. See 1b.
5. Management of purge water.	5a. **EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors).	5a. Do not overfill container and pour liquids in such a manner that they do not splash. 5a. Properly dispose of used materials/PPE in appropriate container in designated storage area.
	5b. **EXERTION:** Muscle strain from lifting/carrying and moving containers.	5b. Use proper lifting techniques when lifting / carrying or moving container(s) (see 4c.). 5b. Do not overfill container(s).
6. Decontaminate equipment.	6a. **EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors).	6a. Work on the upwind side, where possible, of decon area. 6a. Wear chemical-resistant disposable gloves and safety glasses. 6a. Use an absorbent pad to clean spills.

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JOB SAFETY ANALYSIS	**Cntrl. No. GEN-009**	DATE: 12//31/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Hand Tools**	**Pre-Clearing activities, including Air Knifing and Soil Vacuuming**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Alyssa Lau	Staff Engineer	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☒ FACE SHIELD (while air knifing) ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Steel or composite toed	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Nitrile and cut resistant ☒ OTHER: Dust mask (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Air Knife, Vactor Truck (Vac Truck), Compressor, Hand Tools, Photoionization Detector, Multi-Gas Meter, Traffic Cones, 20 lb. Fire Extinguisher, "Work Area" and/or "Exclusion Zone" Signs

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A 10 foot exclusion zone will be maintained around air knife and/or soil vacuum operations.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Verify pre-clearance protocol.	1a. **CONTACT**: Underground utility damage; property damage; personal injury. See Site Walk Inspection JSA for potential hazards.	1a. Confirm that local utility companies were contacted prior to drilling. 1a. Walk the Site to evaluate utility markings and review maps (**See Site Walk Inspection JSA for critical actions**). 1a. Review pre-clearing checklist form and sub-surface clearance form. Pre-clearing protocol indicates that clearance must be conducted to a minimum of 5 vertical feet below ground surface or 8 vertical feet below ground surface in the critical zone using hand tools.
2. Mobilize/demobilize and establish work area.	2a. **See Mobilization / Demobilization JSA for potential hazards.**	2a. **See Mobilization / Demobilization JSA for critical actions.**
3. Pre-clear with air knife and soil vacuum, and/or clearance with hand tools	3a. **CONTACT**: Flying debris. 3b. **EXPOSURE/ENERGY SOURCE**: Inhalation/exposure to hazardous vapors; inhalation/exposure to dust; electrocution. 3c. **CONTACT:** Damage to unknown/known utility with air knife. 3d.**OVEREXERTION**: Poor body positioning when handling equipment and materials.	3a. **Maintain 10 foot exclusion zone.** Only (air knife/vac truck) operator and designated helper shall remain within exclusion zone while air knife/vac truck is active. Use the required PPE, including (at a minimum), cut resistant gloves, safety glasses with side shields, and long sleeved shirt. 3a. Wear a face shield to protect face from flying debris when using air knife. 3a. Aim air knife tip away from self and others, so to avoid line-of-fire hazards. 3a. Use anti-whip devices on compressor hoses. 3b. Monitor breathing zone with a calibrated PID and multi-gas meter. If vapors sustain levels > 5 ppm, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux Project Manager of the condition. The Roux Project Manager will then recommend additional precautions. 3b. Wear dust masks as needed. 3b. Ensure no open flames/heat sources are present within the work area. 3b. Ensure vac truck is properly grounded prior to use. 3b. Do not use metal dig bar; use fiberglass or equivalent. 3c. Avoid contacting utilities directly with the high pressure air stream and using the air knife tip as a physical digging tool. 3c. Keep the air knife tip constantly moving to reduce direct pressure on a potential utility. 3c. Increase the distance between air knife tip and soil/utility. 3c. Continually remove soil slurry from hole with vacuum, which may have an abrasive effect on utility casings. 3d. Use proper body positioning and lifting techniques that minimizes muscle strain; keep back straight, lift with legs, keep

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		load close to body, and never reach with a load.
3. Pre-clearing with air knife and soil vacuum, and/or clearance with hand tools (continued)	3d. **OVEREXERTION**: (continued) Poor body positioning when handling equipment and materials.	3d. Ensure that loads are balanced to reduce the potential for muscle strain. 3d. Two people or a mechanical lifting aid are required when lifting objects over 50 lb. or when the shape makes the object difficult to lift.
	3e. **FALL**: Tripping/falling due to uneven terrain, weather conditions, and materials/equipment stored at the Site.	3e. Inspect walking path for uneven terrain, weather-related hazards (e.g., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 3e. Walk around any stored materials/equipment; do not climb over. Practice good housekeeping. 3e. Use established pathways and walk on stable, secure ground. 3e. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e., tools should not be propped against walls or nearby equipment or vehicles). 3e. Equipment and tools that are not anticipated to be used will be returned to a storage area that is out of the immediate work area. 3e. Ensure power cords/hoses are grouped when used within the work area. Mark out cords/hoses that cross pathways with traffic cones. 3e. Ensure all Site personnel and equipment stay a minimum of 2 feet from an open hole. Mark out open holes with traffic cones/caution tape, etc. 3e. Pre-cleared location will be finished flush to grade as to prevent a slip/trip hazard.
	3f. **CAUGHT**: Pinch points associated with the equipment and vacuum hose.	3f. Always wear cut-resistant gloves when making connections and using hand tools. 3f. Inspect the equipment prior to use for potential pinch points. 3f. Test all emergency shutdown devices prior to using equipment. 3f. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3f. **All non-essential personnel shall maintain a 10 foot exclusion zone**; position body out of the line-of-fire of equipment. 3f. **Drillers and helpers will understand and use the "Show Me Your Hands Policy".**
	3g. **EXPOSURE**: Noise from vac truck and/or air compressor.	3g. Wear hearing protection when vac truck and air compressor are in operation. Otherwise, if sound levels exceed 85 dB, don hearing protection.
4. Move drum to staging area using drum cart.	4a. **EXPOSURE/CONTACT**: Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, soil).	4a. Wear chemically resistant gloves (i.e., Nitrile; worn in addition to cut resistant gloves). 4a. Do not overfill drums. Ensure that the drum lids are attached securely. 4a. Stage all drums in the designated storage area (per Roux Project Manager) and ensure they are labeled.
	4b. **EXERTION**: Muscle strain while maneuvering drums with drum cart/lift gate.	4b. See 3d. Do not overfill drums. Use lift gate on back of truck to load and unload drums or drum cart to transport drums.
	4c. **CAUGHT**: Pinch points associated with handling drum lid.	4c. Ensure that fingers are not placed under the lid of the drum. Wear cut-resistant gloves. Use 15/16" ratchet while sealing drum lid.
5. Decontaminate equipment and tools.	5a. **EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	5a. See 4a. 5a. Contain decontamination water (closed lid) so that it does not spill. 5a. Use an absorbent pad to clean spills, if necessary. 5a. Store all impacted materials/PPE in a designated storage container (per Roux Project Manager) and ensure the container is labeled.
	5b. **EXPOSURE**: To chemicals in cleaning solution.	5b. See 4a.

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JOB SAFETY ANALYSIS	**Ctrl. No. GEN-004**	DATE 12/6/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
Generic	**Drilling**	**Direct Push Soil Borings / Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Jeffrey Wills	Project Hydrogeologist	Curtis Taylor	Health and Safety Officer
		Michael Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing, Long Sleeve Shirt	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Geoprobe or Truck-Mounted Direct Push Drill Rig, Hand Tools, Photoionization Detector, Multi-Gas Meter (or equivalent), Macrocore liners, Liner Opening Tool, 20 lb. Fire Extinguisher, 42" Cones & Flags, "Work Area" Signs, Water

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Exclusion Zone Policy – All non-essential personnel will maintain a distance of 10' feet from drilling equipment while moving/engaged.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization of drilling rig (ensure the Subsurface Clearance Protocol and Drill Rig Checklist are completed)	1a. **CONTACT**: Equipment/property damage. 1b. **FALL**: Slip/trip/fall hazards.	1a. The drill rig's tower/derrick will be lowered and secured prior to mobilization. 1a. A spotter should be utilized while moving the drill rig. If personnel move into the path of the drill rig, the drill rig will be stopped until the path is again clear. Use a spotter for all required backing operations. 1a. Set-up the work area and position equipment in a manner that eliminates or reduces the need for backing of support trucks and trailers. 1a. When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. 1a. Inspect the driving path for uneven terrain. Level or avoid if needed. 1a. Drill rig should have a minimum **exclusion zone of 10 feet** for non-essential personnel (i.e., driller helper, geologist) when the rig is moving/ in operation. 1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1b. Use established pathways and walk on stable, secure ground.
2. Raising tower/derrick of drill rig	2a. **CONTACT**: Overhead hazards. 2b. **CONTACT**: Pinch Points when raising the rig and instability of rig	2a. Prior to raising the tower/derrick, the area above the drilling rig will be inspected for wires, tree limbs, piping, or other structures, that could come in contact with the rig's tower and/or drilling rods or tools. 2a. Maintain a safe distance from overhead structures. 2b. Inspect the equipment prior to use and avoid pinch points. 2b. Lower out riggers on rig to ensure stability prior to raising rig tower/derrick. 2b. If the rig needs to be mounted, be sure to use three points of contact.
3. Advancement of drilling equipment and well installation	3a. **CONTACT**: Flying debris	3a. Be aware of and avoid potential lines of fire and wear required PPE such as eye, ear, and hand protection.

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3. Advancement of drilling equipment and well installation (Continued)	3b. **EXPOSURE**: Noise and dust.	3b. Wet borehole area with sprayer to minimize dust. 3b. Stand upwind and keep body away from rig. 3b. Dust mask should be worn if conditions warrant. 3b. Wear hearing protection when the drill rig is in operation.
	3c. **CAUGHT**: Limb/extremity pinching; abrasion/crushing.	3c. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 3c. Inspect the equipment prior to use for potential pinch points. Keep hands away from being between pinch points and use of tools is preferable compared to fingers and hands. 3c. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt. 3c. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3c. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment. 3c. Drillers and helpers will understand and use the "Show Me Your Hands" Policy. 3c. Spinning rods/casing have an **exclusion zone of 10 feet** while in operation.
	3d. **CONTACT**: Equipment imbalance during advancement of drill equipment.	3d. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and/or tip. 3d. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. 3d. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high (**minimum exclusion zone of 10 feet**).
	3e. **EXPOSURE**: Inhalation of contamination/vapors.	3e. Air monitoring using a calibrated photoionization detector (PID) will be used to periodically to monitor the breathing zone of the work area. 3e. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional precautions in accordance with the site specific health and safety plan.
	3f. **FALL**: Slip/trip/fall hazards.	3f. Contain drill cuttings and drilling water to prevent fall hazards from developing in work area. 3f. See 1b.
	3g. **EXERTION**: Potential for muscle strain/injury while lifting and installing well casings, lifting sand bags, and/or lifting rods.	3g. Keep back straight and bend at the knees. 3g. Utilize team lifting for objects over 50lbs. 3g. Use mechanical lifting device for odd shaped objects.
4. Decontaminate equipment.	4a. **EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	4a. Wear chemical-resistant disposable gloves and safety glasses. 4a. Contain decontamination water so that it does not spill. 4a. Use an absorbent pad to clean spills, if necessary. 4a. See 3b.
	4b. **EXPOSURE:** To chemicals in cleaning solution including ammonia.	4b. See 4a. Review MSDS to ensure appropriate precautions are taken and understood.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	**Cntrl. No. GEN-012**	DATE: 12/31/2012	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY: **GENERIC**	WORK TYPE: **Gauging & Sampling**	WORK ACTIVITY (Description): **Soil Sampling**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Michael Hodess	Staff Environmental Scientist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD:	☐ SUPPLIED RESPIRATOR	☒ OTHER: Insect Repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION: (as needed)	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots		
☒ FLAME RESISTANT CLOTHING (as needed)			

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Recommended Equipment; 42" traffic cones, caution tape, trowel

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A minimum 10' exclusion zone will be maintained around moving equipment, if present.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Secure location	1a. **CONTACT:** Personnel and vehicular traffic may enter the work area.	1a. If in an area with foot or vehicle traffic, delineate the work area with 42" traffic cones and/or caution tape to prevent exposure to traffic and inform others of work activity. 1a. Wear reflective vest and/or fluorescent clothing. 1a. Face the direction of any vehicular traffic. Position vehicle to protect worker from traffic. 1a. Communicate work activity with adjacent work areas.
	1b. **FALL:** Tripping/falling due to uneven terrain or entry/exit from excavations.	1b. Inspect pathways and work area for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions. 1b. Use established pathways and walk on stable, secure ground. 1b. Stage equipment and tools will in a convenient, stable, and orderly manner. Store equipment at lowest potential energy. 1b. Roux employees should stay 5 feet from in-progress excavations and trenches. Should entry to an excavation be appropriate (when stabilization is complete), ladders must be employed for steep embankments, excavations, pits, and trenches.
	1c. **EXPOSURE:** Exposure to sun and excessive heat, possibly causing sunburn, heat exhaustion or heat stroke, Exposure to cold temperatures possibly causing cold stress. Skin burn as a result of fire if occurred. Exposure to explosive vapors due to tank farm operations, Biological hazards - ticks, bees/wasps, poison ivy, thorns, insects, etc.	1c. Wear sunscreen with an SPF 15 or greater whenever 30 minutes or more of exposure is expected. 1c. Use a tent to shade the work area from direct sunlight particularly when warm temperatures are also expected. 1c. Be aware of the location of all Site personnel. 1c. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). 1c. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). 1c. Take breaks for rest and water as necessary. Move to an area that is well shaded or an area with air conditioning (i.e., car, site trailer, etc.). Move to an area that is warm. 1c. No open flames/heat sources. 1c. Flame resistant clothing must be worn when specified by Site policy. 1c. Cell phones should be disabled when specified by Site policy. 1c. Pre-treat field clothing with Permethrin prior to site visit to kill/repel ticks and insects. 1c. Wear long sleeved shirts and tuck in (or tape) pant legs into socks or boots to prevent ticks from reaching skin. 1c. Spray insect repellant containing DEET on exposed skin when working in overgrown areas of the Site. 1c. Inspect area to avoid contact with biological hazards. 1c. Wear cut-resistant gloves when handling branches, shrubs, etc. that may lie within the walking path. 1c. Personnel shall examine themselves and co-worker's outer clothing for ticks periodically when onsite. 1c. If skin comes in contact with poison ivy, wash skin thoroughly with soap and water.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
2. Collect Soil Sample	2a. **CONTACT:** Personal injury from pinch points, cuts, and abrasions from sampling equipment tools, and material within soil sample. Personal injury from contact with moving equipment while sampling.	2a. Wear cut-resistant (i.e., Kevlar) gloves under chemical-resistant disposable gloves when handling soil samples and sampling jars. 2a. Where possible, use trowel or equivalent tool to avoid contact with soil. 2a. If sampling from bucket of heavy equipment, ensure all equipment is off and operator utilizes the "show me your hands" policy. 2a. See 1a.
	2b. EXPOSURE: Exposure to contamination (impacted soil) and/or lab preservatives.	2b. Wear chemical-resistant disposable gloves over cut resistant gloves to protect hands when handling samples; use containment material or plastic sheeting to protect surrounding areas. 2b. When collecting soil sample from hand auger, put large zip lock bag over entire auger to prevent spillage of soil on to the ground. 2b. Open sample jars slowly and fill carefully to avoid contact with preservatives.
3. Decontaminate equipment	3a. **EXPOSURE/CONTACT:** Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated vapors and/or soil).	3a. Wear chemical-resistant disposable gloves and safety glasses. 3a. Use an absorbent pad to clean spills. 3a. Properly dispose of used materials/PPE in provided drums in designated drum storage area.
	3b. **EXPOSURE:** Chemicals in cleaning solution including ammonia.	3b. Wear chemical-resistant disposable gloves and safety glasses. 3b. Work on the upwind side of decon area. 3b. Use an absorbent pad to clean spills. 3b. Properly dispose of used materials/PPE in provided drums in designated drum storage area.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-013	DATE: 12/31/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Gauging and Sampling**	**Soil Vapor Sampling (Permanent Monitoring Points)**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Jeff Wills	Project Hydrogeologist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut-resistant & Nitriles
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Bug Spray, Sun Screen, Knee Pads or kneeling pad
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel-toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

9/16" Socket and Wrench, Non-Toxic Clay, Teflon-Lined Tubing, Masterflex Tubing, 3-Way Stopcock, Air Pump with Low Flow, Dry Cal, Enclosure (Bucket), Helium Gas Canister, Summa Canisters and Flow Controllers, MultiRae Gas Meters, CO2/O2 Meters, Helium Detector, Tubing Cutter, 42-inch Safety Cones, Caution Tape or Retractable Cone Bars

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Exclusion Zone: Maintain a 5-Foot Exclusion Zone for Non-Essential Personnel

ACCESS [1]JOB STEPS	ANALYZE [2]POTENTIAL HAZARDS	ACT [3]CRITICAL ACTIONS
1. Define and secure work area.	1a. **FALL:** Potential tripping hazards.	1a. Ensure work area is secure and inform others (third party) of work activity. 1a. Remove tripping hazards and inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment.
	1b. **CONTACT:** Potential contact with moving vehicles or pedestrians.	1b. If working alongside roads, look both ways before entering roadways, face traffic, and utilize work vehicle to protect employees. 1b. Delineate work area (including vehicles) with traffic safety cones and caution tape or retractable cone bars. 1b. Maintain a 5 foot exclusion zone. 1b. Wear high visibility clothing or reflective safety vest.
	1c. **OVEREXERTION:** Muscle strain while lifting and carrying equipment.	1c. When carrying equipment to/from work area, keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced. Use mechanical assistance/make multiple trips to carry equipment.
2. Remove well cover / close well cover.	2a. **CONTACT/CAUGHT:** Pinch points and scrapes associated with hand tools and well covers.	2a. Keep hands away from pinch points. 2a. Use hand tools to remove and replace well covers. 2a. Wear cut-resistant gloves. 2a. Use knee pads or kneeling mat when repetitive kneeling on rough ground is anticipated.
	2b. **FALL:** Potential tripping hazards associated with installing bolts.	2b. Place security bolts in secure location so not to create tripping hazards. Replace security bolts so that they fit flush with monitoring well covers.
	2c. **OVEREXERTION:** Physical exertion to remove bolts that were over torque or stripped.	2c. Replace any security bolts that show signs of stripping. Do not over tighten. 2c. Use body positioning and bending techniques that minimize muscle strain; keep back straight, bend at the knees. 2c. See 2a.
3. Remove / replace brass caps at the end of the sample tubing.	3a. **CONTACT:** Pinch points associated with hand tools and brass caps.	3a. Use wrench to remove and replace brass caps. 3a. Wear cut-resistant gloves to protect against pinch points and scrapes.
	3b. **EXPOSURE:** Potential pathway for vapors to migrate to land surface.	3b. Replace brass caps immediately upon completion to avoid soil vapors migrating to the surface through sample tubing. 3b. Stand up wind of sample point location.

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ACCESS [1]JOB STEPS	ANALYZE [2]POTENTIAL HAZARDS	ACT [3]CRITICAL ACTIONS
4. Set up soil vapor sampling equipment and calibration of meters.	4a. **FALL:** Potential tripping hazards associated with equipment and tubing. 4b. **CONTACT:** Pinch points associated with handling equipment. 4c. **EXPOSURE:** Inhalation of calibration gas and helium.	4a. Place equipment in one area close to the sampling location. 4a. Keep tubing slack to a minimum and locate the summa canister as close to the sampling location as possible. 4a. Avoid stepping over equipment and tubing. 4b. Do not place fingers/hands under sampling equipment. 4b. Make multiple trips when unloading equipment in work area. 4b. Wear cut-resistant gloves to protect against pinch points while handling sampling equipment. 4c. Review MSDS for each type of calibration gas used before calibrating. 4c. Calibrate meters in a well vented area and keep air flow regulator away from face. 4c. Close valve on canisters after use to avoid inhalation of excess helium or calibration gas. 4c. Stand up wind of bucket during helium tracer gas test.
5. Screen sample tubing with multiple gas and CO_2/O_2 meters.	5a. **FALL:** Potential tripping hazards associated with equipment. 5b. **EXPOSURE:** Inhalation of soil vapor	5a. See 4a 5a. Identify area where equipment is to be stored within the work area (away from main walking path). 5a. Don't leave equipment on the ground. Return equipment to storage area between uses. 5b. See 3b. 5b. Use master flex to connect tubing to meter. 5b. Stand on opposite side of meter vent and upwind soil vapor point during screening activities.
6. Cleaning Work Area.	6a. **FALL:** Potential tripping hazards associated with equipment and tubing. 6b. **CONTACT:** Storing and transport of equipment in car.	6a. See 4a. 6a. See 5a. 6b. Ensure that equipment is placed securely in the vehicle. Do not stack equipment on top of each other. Secure equipment so that it will not slide while being transported. 6b. Wear cut-resistant gloves while handling/loading equipment.

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JOB SAFETY ANALYSIS	**Cntrl#: GEN-015**	DATE 7/3/13	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY: **GENERIC**	WORK TYPE: **Drilling**	WORK ACTIVITY (Description): **Well Development**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Amy Hoffman	Staff Geologist	Mike Ritorto	Project Hydrogeologist
		Curtis Taylor	SHSM

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Insect repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION (as needed)	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment as needed: Truck Rig or support truck, Trailer, 42 inch Safety cones and flags, Caution Tape, Interface Probe, Power Source, Submercible Pump, Surge Block/Plunger, 20 lb. Fire Extinguisher, Holding Tanks and/or Buckets, Tools as needed: Socket and Pipe Wrench, Screw Driver, Pry Bar, Ratchet, Vault Key.

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Maintain a 20 Foot Exclusion Zone During Development Activities

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]**JOB STEPS**	**Analyze** [2]**POTENTIAL HAZARDS**	**Act** [3]**CRITICAL ACTIONS**
1. Mobilization / Demobilization (**Review Mobilization and Demobilization JSA**)	1a. **CONTACT:** Equipment/property damage.	1a. The truck rig's tower/derrick will be lowered and secured prior to mobilization. 1a. Set-up the work area / position equipment in a manner that eliminates or reduces the need for backing of trucks and trailers. 1a. All non-essential personnel should **maintain an exclusion zone of 20 feet**. 1a. Beep horn twice before backing up. 1a. When backing up with an attached trailer use a spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. Stay away from the line-of-fire. 1a. Inspect the driving path for uneven terrain. Level or avoid if needed.
	1b. **FALL:** Slip/trip/fall hazards.	1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Store equipment at lowest potential energy.
2. Open/close well.	2a. **OVEREXERTION:** Muscle strain (some wells have large vault covers).	2a. Keep back straight, lift with legs, keep load close to body, and never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Two people are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
	2b. **CAUGHT:** Pinch points associated with removing/replacing manholes and working with hand tools.	2b. Wear leather gloves when working with well vault/cover and hand tools. Do not put fingers under well vault/cover. 2b. Use ratchet and pry bar for well cover and inspect before use.
	2c. **EXPOSURE:** Potentially hazardous vapors.	2c. No open flames/heat sources. 2c. Allow well to vent after opening it and before starting development activities to minimize exposure to vapors. Air monitoring must be performed prior to set up and during the well development activities. Work on upwind side of well.
	2d. **CONTACT:** Traffic.	2d. Wear required PPE including high visibility clothing or reflective vest. 2d. Delineate work area with 42" safety cones and/or other barriers. Position vehicle to protect against oncoming traffic. 2d. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Develop well (mechanical surging).	3a. **CAUGHT:** Cut hazards and finger pinch points. 3b. **CONTACT/EXPOSURE:** Contamination (e.g., SPH, contaminated groundwater, vapors). 3c. **OVEREXERTION:** Muscle strain from lifting equipment. 3d. **CONTACT:** Injury while handling wench line/cable, or with active surging equipment	3a See 2b. 3a. Use required PPE including leather/cut-resistant gloves when handling development equipment. Identify finger/hand pinch points. Keep hands away from active surge equipment. 3a. All non-essential personnel should **maintain an exclusion zone of 20 feet**. 3b. See 2c. 3b. Wear Nitrile gloves and safety glasses. Insert and remove surge block/plunger and line/cable slowly to avoid splashing at the surface. 3b. Use an absorbent pad to clean any spills. 3c. See 2a. 3c. Use mechanical device to insert and remove surge block/plunger if greater than 50lb. 3d. If using a drill rig, inspect all wench lines/cables for any kinks or if frayed prior to use. Replace any damaged lines/cables. Review **Drill Rig checklist prior to development activities**. . 3d. See 3a.
4. Purging well (pumping water to holding tanks/drums/buckets).	4a. **CAUGHT:** Pinch points associated with connecting hose to tank. Pinch points associated with handling pump and hoses. 4b. **FALL:** Using side mounted ladder when attaching hose to tank. Slip, trip, fall from lines/hoses 4c. **CONTACT:** Contamination (e.g., SPH, contaminated groundwater). 4d. **EXERTION:** Muscle strain from lifting/carrying equipment. 4e.**FALL:** Spilled purge water.	4a. See 3a. 4a. Ensure that fingers are not placed near coupling when attaching and securing hose(s). Do not place fingers under pump/hoses. Wear leather or cut-resistant gloves when handling pump/hose(s). 4a. Keep hands clear from any line of fire. 4b. Inspect ladder steps make sure steps are not bent/damaged and free of debris/fluid. 4b. Use three points of contact at all times when using ladder. 4b. Utilize anti-whip cords on all compressed hoses. Keep hoses and lines coiled and organized out of designated walking paths around the work zone. 4c. Secure water hose. 4c. Do not overfill tanks, and purge/transfer liquids in such a manner that they do not splash. (See 3b). 4c. Dispose of used materials/PPE in the designated impacted PPE container. 4d. Use lifting techniques to minimize muscle strain when carrying equipment. When possible, use mechanic means to lift equipment. 4d. Use two people to lift any equipment or material that is over 50 lbs. 4e. Clean up any spills using absorbent pads or spill kits.
5. Decontaminate equipment	5a. **CONTACT/EXPOSURE:** Contamination (e.g., SPH, contaminated groundwater, vapors). 5b. **EXPOSURE/CONTACT:** Chemicals in cleaning solution	5a. See 3b. 5b. Decontaminate equipment in well-ventilated area. Wear nitrile gloves to avoid skin contact with cleaning solutions.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-001	DATE: 12/5/12	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)	
Generic	**Construction - Excavation**	**Excavation / Trenching**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Ian Holst	Staff Engineer	Curtis Taylor	Health and Safety Officer
		Michael Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☒ LONG SLEEVED SHIRT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION ☒ SAFETY SHOES: Steel-toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility long sleeved clothing	☒ GLOVES: Leather or cut resistant ☐ OTHER

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Jackhammer, Excavator, Hand Tools, Photoionization Detector, barrels, cones, caution tape, ladders, shovels, digging bars , power tools (cut off saw)

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: Maintain 10' or greater exclusion zone around excavator while it is in motion.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Pre-Clearance Protocol.	1a. **CONTACT:** Damage to underground utility. 1b. **ENERGY SOURCE/CONTACT:** Property damage; Pressurized water mains. Pressurized gas mains. Sewer lines. Underground electric. 1c. **FALL:** Slip ,Trip or Fall.	1a. Confirm that (if applicable) "Call Before You Dig" and local utility companies were contacted prior to trenching in order to confirm utility mark outs. Must have a case # before digging. 1b. Pre-clearing of the trenching location must be conducted to a minimum of 4 vertical feet below the ground surface (8 feet minimum for Critical Zone) using hand tools (shovel and non-metallic dig bar) prior to trenching. Supervisor should be contacted to discuss appropriate pre-clearing depth. Complete subsurface clearance checklist. 1c. Be aware of the conditions when walking, or loading equipment and working. Walk within established pathway avoiding uneven surfaces. Remove potential slip/trip/fall hazards.
2. Set up work zone.	2a. **CONTACT/CAUGHT:** Injury from equipment. 2b. **FALL:** Slip ,Trip or Fall.	2a. Isolate work area from hazards with cones, barricades, and caution tape. Utilize a flag person when necessary (i.e., third party traffic in area). Install traffic signs in roadways and for detours. Spotters will maintain and enforce exclusion zone. 2b. See 1c.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Trenching Activity.	3a. **CONTACT:** Injury due to contact with machine. 3b. **FALL:** Slip ,Trip or Fall. 3c. **EXPOSURE:** Noise, Dust, Concrete- Asphalt, petroleum hydrocarbon vapors.	3a. Spotter(s) required for all heavy equipment operation. No worker shall be allowed inside the exclusion zone or along the trench/excavation area while any equipment is digging. A minimum exclusion zone greater than the length of the equipment boom must be established. Workers only allowed in exclusion zone if the operator is in "Hands Off "mode. Operator will not operate equipment until worker is out of exclusion zone. 3b. Any trench/excavation deeper than 4' must have a ladder within 25' of any worker in the excavation. At least 3' (rungs) shall be above the top of the excavation. All spoil piles shall be maintained 2' minimum from edge of excavation. 3c. Air monitoring using a calibrated photoionization detector (PID) will be used to monitor the breathing zone of the work area. If a reading of >5ppm is recorded, the oversight personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings.
4. Setting Trench protections if necessary.	4a. **CAUGHT:** Injury due to contact with failed trench. 4b. **CONTACT/CAUGHT:** Injury due rigging activities and entering exclusion zone during lifting and/or transport of shoring box/material. 4c. **FALL:** Possible injury due to fall into excavation.	4a. To prevent cave-ins and avoid caught by/between, excavations over 5' in depth shall have engineer approved shoring, sheeting or digging box. Top of protection shall be at least 2' above top of excavation. 4b. Use only inspected rigging with 2, 3 or 4 lift points; wear cut-resistant gloves. Rigging to be hooked up to factory installed hook up points on equipment. Control load with non-conductive tag lines with workers out of exclusion zone. Don't stand underneath suspended load; wear steel toed boots and hard hat. 4c. Shoring to be set and sides will be backfilled to avoid fall hazards before workers allowed to enter area. Operator will be in "HANDS OFF" mode before workers enter work area to unhook rigging. An inspected ladder set 3' above top of shoring will be used to enter and exit shoring. Workers will use three points of contact when using ladder.
5. Secure/Leave Site. **If backfilling, see excavation backfilling and compaction JSA for potential hazards and critical actions.**	5a. **FALL:** Potential Slip ,Trip or Fall hazards.	5a. See 1c. All open excavations must be backfilled or secured prior to departure with steel plates, orange construction fence or temporary chain link fencing.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Ctrl. No. GEN-002	DATE 12/5/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Construction - Excavation**	**Backfilling Excavation & Compaction**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
David Kaiser		Curtis Taylor	Health and Safety Officer - Roux
		Michael Ritorto	Project Hydrogeologist - Roux

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☒ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather/ cut-resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER _____
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION	☒ PPE CLOTHING: Long Sleeved shirt and reflective safety	
☒ SAFETY GLASSES	☒ SAFETY SHOES Steel-toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Payloader, Backhoe, Dump Trucks, Mechanical gas powered tampers, Excavator with hydraulic tamper. APR when tamping if dust present.

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A 10' minimum exclusion zone will be maintained around excavator, backhoe, tampers, and dump trucks.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Secure work area.	1a. **CONTACT:** Potential for personnel to enter the work area. Potential for equipment to contact personnel. 1b. **EXERTION:** Potential for muscle strain while installing traffic cones and barrels	1a. Ensure work area is secure and inform others of work activity. Establish a work zone using 42" traffic cones, barrels & caution tape. Use of flag persons to minimize motorist confusion during set-up of new traffic pattern. 1a. Dump Truck/Excavator/Payloader/Backhoe equipment to be set-up by personnel who are familiar with machinery. Spotters shall be in place for all equipment. Truck wheels are chocked when driver is not in truck and engine shut off. Personnel shall stay out of the exclusion zone (10' minimum or greater than the equipment boom) while equipment is maneuvering. 1b. Keep back straight, keep load close to the body and bend knees while lifting and working. If over 50 lbs., use 2 or more laborers for lifting or use of equipment.
2. Backfilling excavation, and & compaction	2a. CONTACT: Traffic and live equipment. 2b. EXPOSURE: Fumes from gas powered tamper. 2c. FALL: Slips, trips, fall hazards.	2a. Equipment and trucks shall be isolated from other workers, subcontractors and third party traffic with cones, barricades, caution tape, and/or Jersey barriers. Spotters shall direct dump truck for placement of fill near excavation. Payloader, as directed by spotter, shall move fill into trench where it shall be placed in layers and compacted by mechanical means. 2a. Spotters will wear florescent vests at all times. 2a. Spotters will remain out of the line of fire from equipment and third party vehicles. 2b. Fueling will be done outside of work area in a well vented area. Refueling will be done only after a 2 minute cool down. 2c. Work area will be clean and free of any debris to remove slip, trip and fall hazards. All tools will be kept in designated areas. Insure work area is well illuminated. 2c. Workers should only be working in areas that have been leveled with a machine.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
2. Backfilling, excavation, and compaction (Continued).	2d. **OVEREXERTION:** Muscle strain. 2e. **EXPOSURE:** Noise from tamper.	2d. Keep knees bent and back straight while maneuvering tamper. Utilize a co-worker to avoid staining muscles. 2e. Workers will wear hearing protection during compaction tamper activities.
3. Secure/leave site.	3a. **FALL:** Slip, trip, fall	3a. Clear work area of all debris and store all equipment in designated areas/containers before opening up to traffic.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

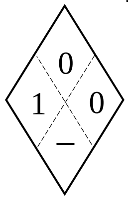
[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Approved: April 4, 2012

NFPA

Flammability

Health  Reactivity

0 = Minimal Hazard
4 = Severe Hazard

MATERIAL SAFETY DATA SHEET* (MSDS)
International Products Corporation

MICRO-90®

CONCENTRATED CLEANING SOLUTION

HMIS

Health – 1
Flammability – 0
Physical Hazards – 0
Personal Protection – B

0 = Minimal Hazard
4 = Severe Hazard
B = Safety Glasses & Gloves

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME........................MICRO-90®
CHEMICAL FAMILY....................Mixture
CHEMICAL USE..........................Concentrated Cleaning Solution
ISSUE DATE OF MSDS..............April 4, 2012

MANUFACTURER:

International Products Corporation
201 Connecticut Drive
Burlington, NJ 08016, USA
Tel: (609) 386-8770
Fax: (609) 386-8438
mkt@ipcol.com

UK BRANCH:
Unit 5, Green Lane Bus. Park
238 Green Lane
London, SE9 3TL, United Kingdom
Tel: 020 – 8857-5678
Fax: 020 – 8857-1313
saleseurope@ipcol.com

EMERGENCY TELEPHONES:

Transportation:
CHEMTREC
(800) 424-9300
(Calls within USA & Canada)

(703) 527-3887
(Calls from outside the USA)

Non-transportation:
Tel: (609) 386-8770
Fax: (609) 386-8438

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains water, builders, and surfactants.

This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

* *

EMERGENCY OVERVIEW

Pale yellow aqueous solution with a slight ammonia odor. Nonflammable aqueous solution. NFPA rating of zero. No immediate hazards associated with the product.

* *

POTENTIAL HEALTH EFFECTS

EYE CONTACT.......... Prolonged or repeated contact may cause irritation.

SKIN CONTACT........ Prolonged or repeated contact may cause irritation.

INHALATION............ Prolonged or repeated contact may cause irritation.

INGESTION................ No hazard in normal industrial use.

CARCINOGENICITY:

NTP..................... No ingredients are listed.
IARC................... No ingredients are listed.
OSHA.................. No ingredients are listed.

CHRONIC EFFECTS. Not determined.

TARGET ORGANS.... Not determined.

SIGNS AND SYMPTOMS................ Eye and skin irritation (redness or swelling)

* * * * * * * * * * * * * * * * * * * *

POTENTIAL ENVIRONMENTAL EFFECTS

None known.

4. FIRST AID MEASURES

EYE CONTACT............................Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

SKIN CONTACT...........................Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

INHALATION...............................If exposed to excessive levels of fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION.................................No specific treatment is necessary since this material is unlikely to be hazardous by ingestion. Call physician if pain or discomfort develops.

5. FIRE FIGHTING MEASURES

Nonflammable aqueous cleaner.

FLASH POINT...........................None.

LFL..Not applicable.

UFL..Not applicable.

EXTINGUISHING MEDIA...........Use alcohol foam, carbon dioxide, or water spray to extinguish flames.

FIRE FIGHTING INSTRUCTION..........................As in any fire, wear self-contained breathing apparatus, pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 Personal Protection. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

HANDLING................................ Avoid contact with eyes, skin and clothing. Use in a well-ventilated area.

STORAGE.................................. Store in a cool place in original container and protect from sunlight. Keep container closed when not in use. Use only stainless steel, polyethylene or plastic-lined containers for handling. Do not store in contact with aluminum, zinc, copper or their alloys.

SHELF LIFE............................... Five years from date of manufacture when stored in original sealed container at recommended storage temperature range.

STORAGE TEMPERATURE....... 5–43°C (41–110°F)

*ANSI Z400.1-1998 format

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS.....Good general ventilation should be sufficient to control airborne levels.

RESPIRATORY PROTECTION .....For most situations, no respiratory protection should be needed.

SKIN PROTECTION .....Wear nitrile or neoprene gloves.

EYE PROTECTION .....Wear safety glasses with side shields (or goggles). Contact lenses should not be worn.

GENERAL HYGIENE CONSIDERATIONS .....There are no known health hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

* *

EXPOSURE LIMITS .....Not established for product as whole.

Ingredients	CAS #	ACGIH
None established for individual components.		

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE .....Clear, colorless to pale yellow solution.

ODOR.....Ammonia odor.

pH (neat).....ca. 9.5

BOILING POINT .....ca. 100°C (212°F)

FREEZING POINT .....ca. -8°C (18°F)

SOLUBILITY IN WATER .....Complete

SPECIFIC GRAVITY (water = 1).....1.135@25°C

10. STABILITY AND REACTIVITY

STABILITY .....Stable liquid.

HAZARDOUS POLYMERIZATION.....Will not occur.

INCOMPATIBILITIES.....May etch aluminum, zinc, copper, and its alloys. May craze acrylic and polycarbonate if not wiped or rinsed off. Do not mix with other cleaners. Mixing with chlorine-based cleaners may produce toxic gases.

DECOMPOSITION PRODUCTS .....Not determined.

11. TOXICOLOGICAL INFORMATION

Eye: Irritant per USA-FHSA criteria.
Not an Irritant per OECD Guideline No. 405.

Skin: Not an irritant per USA-FHSA criteria.
Not an irritant per OECD Guideline No. 404.

Oral: LD_{50} is greater than 5g/kg (rats).

12. ECOLOGICAL INFORMATION

Contains no CFCs, ODCs, phosphates, silicates, borates, halogens, or phenols.

13. DISPOSAL CONSIDERATIONS

MICRO-90® Concentrated Cleaning Solution is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

(Note: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.)

14. TRANSPORTATION INFORMATION

A. USA

D.O.T. SHIPPING .....Not regulated.

TECHNICAL SHIPPING NAME .....Liquid Detergent

D.O.T. LABEL .....None.

D.O.T. PLACARD (non-bulk) .....None.

FREIGHT CLASS PACKAGE .....Class 55 — Liquid detergent

PRODUCT LABEL .....Concentrated Cleaning Solution

B. CANADA: TDG .....Not regulated.

C. ENGLAND: APPROVED CARRIAGE LIST .....Not regulated.

15. REGULATORY INFORMATION

A. USA

TSCA STATUS ..... All ingredients are listed on the TSCA inventory.

SARA TITLE III, 302/303 EHS..... None.

SARA TITLE III, 304, HS ..... None.

SARA TITLE III, 313 ..... None.

B. CANADA

DSL ..... All ingredients are listed on the Domestic Substance List.

WHMIS Classification..... Not controlled.

C. EC

EINECS ..... All ingredients are listed.

RoHS Directive ..... MICRO-90® does not contain any ingredients listed in 2002/95/EC.

REACH Directive..... All ingredients comply with EC 1907/2006.

D. CHIPS ..... Not a significant eye irritant. Not a skin irritant.

All ingredients are also listed on the following inventories: Australia (AICS), Korea (ECL), Japan (ENCS), China (EICS), and Philippines (PICCS).

16. STATE REGULATORY INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

17. OTHER INFORMATION

PREPARED BY .....K. Wyrofsky, President

APPROVED BY.....T. McGuckin, V.P. of Research, Quality & Safety

APPROVAL DATE .....April 4, 2012

NOTE: All data presented here are for the full-strength product, unless otherwise noted. However, recommended usage is as a 1-2% w/w solution in water.

While International Products Corporation believes the information contained herein to be true and accurate, it has relied on information provided by others. International Products Corporation makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or with respect to the results to be obtained from the use of the product. International Products Corporation disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.

MATERIAL SAFETY DATA SHEET

ALCONOX®

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	**ALCONOX®**
CHEMICAL FAMILY NAME:	Detergent.
PRODUCT USE:	Critical-cleaning detergent for laboratory, healthcare and industrial applications
U.N. NUMBER:	Not Applicable
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	Alconox, Inc.
ADDRESS:	30 Glenn St., Suite 309, White Plains, NY 10603. USA
EMERGENCY PHONE:	**TOLL-FREE in USA/Canada** 800-255-3924
	International calls 813-248-0585
BUSINESS PHONE:	914-948-4040
DATE OF PREPARATION:	May 2011
DATE OF LAST REVISION:	February 2008

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white granular powder with little or no odor. Exposure can be irritating to eyes, respiratory system and skin. It is a non-flammable solid. The Environmental effects of this product have not been investigated.

US DOT SYMBOLS

Non-Regulated

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Signal Word: **Warning!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1
EC# 205-633-8 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 268-356-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-838-7 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-767-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 207-638-8 Index# 011-005-00-2
EC# 205-788-1 This substance is not classified in the Annex I of Directive 67/548/EEC

GHS Hazard Classification(s):

Eye Irritant Category 2A

Hazard Statement(s):

H319: Causes serious eye irritation

Precautionary Statement(s):

P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling
P271: Use only in well ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection/

Hazard Symbol(s):

[Xi] Irritant

Risk Phrases:
R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases:
S8: Keep container dry
S22: Do not breath dust
S24/25: Avoid contact with skin and eyes

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Exposure to this product may cause irritation of the eyes, respiratory system and skin. Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

CHRONIC: This product contains an ingredient which may be corrosive.

TARGET ORGANS: ACUTE: Eye, respiratory System, Skin CHRONIC: None Known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Sodium Bicarbonate	144-55-8	205-633-8	1044	33 - 43%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	268-356-1	Not Listed	10 – 20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Tripolyphosphate	7758-29-4	231-838-7	1469	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Tetrasodium Pyrophosphate	7722-88-5	231-767-1	1140	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Carbonate	497-19-8	207-638-8	1135	1 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36
Sodium Alcohol Sulfate	151-21-3	205-788-1	0502	1 – 5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing dificulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or eye problems may be aggravated by prolonged contact.

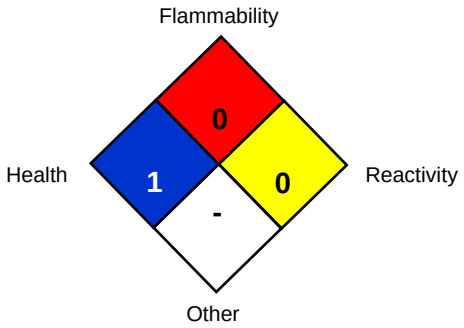
RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: Not Flammable
AUTOIGNITION TEMPERATURE: Not Applicable
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): NA Upper (UEL): NA
FIRE EXTINGUISHING MATERIALS: As appropriate for surrounding fire. Carbon dioxide, foam, dry chemical, halon, or water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is non-flammable and has no known explosion hazards.
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive
SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	**1**
FLAMMABILITY HAZARD (RED)	**0**
PHYSICAL HAZARD (YELLOW)	**0**

PROTECTIVE EQUIPMENT

EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8

For Routine Industrial Use and Handling Applications

Hazard Scale: 0 = Minimal **1** = Slight **2** = Moderate **3** = Serious **4** = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.
SPILLS: Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Sweep, shovel or vacuum spilled material and place in an appropriate container for re-use or disposal. Avoid dust generation if possible. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from strong acids or oxidizers.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	SWA
Sodium Bicarbonate	144-55-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Tripolyphosphate	7758-29-4	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Tetrasodium Pyrophosphate	7722-88-5	5 mg/m³	5 mg/m³	5 mg/m³
Sodium Carbonate	497-19-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Alcohol Sulfate	151-21-3	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Based on test data, exposure limits should not be exceeded under normal use conditions when using Alconox Detergent. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact.. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE & ODOR:	White granular powder with little or no odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Applicable
VAPOR DENSITY (AIR=1):	Not Applicable.
BY WEIGHT:	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Applicable.
BOILING POINT (C°):	Not Applicable.
FREEZING POINT (C°):	Not Applicable.
pH:	9.5 (1% aqueous solution)
SPECIFIC GRAVITY 20°C: (WATER =1)	0.85 – 1.1
SOLUBILITY IN WATER (%)	>10% w/w
COEFFICIENT OF WATER/OIL DIST.:	Not Available
VOC:	None
CHEMICAL FAMILY:	Detergent

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable
DECOMPOSITION PRODUCTS: When heated to decomposition this product produces Oxides of carbon (COx)
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong acids and strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with incompatible materials and dust generation.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for mixture:

CAS# 497-19-8 LD50 Oral (Rat)	4090 mg/kg
CAS# 497-19-8 LD50 Oral (Mouse)	6600 mg/kg
CAS# 497-19-8 LC50 Inhalation (Rat)	2300 mg/m³ 2H
CAS# 497-19-8 LC50 Inhalation (Mouse)	1200 mg/m³ 2H
CAS# 7758-29-4 LD50 Oral (Rat)	3120 mg/kg
CAS# 7758-29-4 LD50 Oral (Mouse)	3100 mg/kg
CAS# 7722-88-5 LD50 Oral (Rat)	4000 mg/kg

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.
IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.
SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY: No Data available at this time.
EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:
THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.
PROPER SHIPPING NAME: Non-Regulated Material
HAZARD CLASS NUMBER and DESCRIPTION: Not Applicable
UN IDENTIFICATION NUMBER: Not Applicable
PACKING GROUP: Not Applicable.
DOT LABEL(S) REQUIRED: Not Applicable
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): Not Applicable
MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:
This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:
This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):
This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:
This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Controlled Product, Hazard Class D2B as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory if Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett Global Safety Management, 10006 Cross Creek Blvd. Suite 440, Tampa, FL 33647

Disclaimer: To the best of Alconox, Inc. knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type either express or implied are provided. The information contained herein relates only to this specific product.

ANNEX:

IDENTIFIED USES OF ALCONOX® AND DIRECTIONS FOR USE

Used to clean: Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, pipes, radioactive contaminated articles, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. FDA certified.

Used to remove: Soil, grit, grime, buffing compound, slime, grease, oils, blood, tissue, salts, deposits, particulates, solvents, chemicals, radioisotopes, radioactive contaminations, silicon oils, mold release agents.

Surfaces cleaned: Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

Cleaning method: Soak, brush, sponge, cloth, ultrasonic, flow through clean-inplace. Will foam—not for spray or machine use.

Directions: Make a fresh 1% solution (2 1/2 Tbsp. per gal., 1 1/4 oz. per gal. or 10 grams per liter) in cold, warm, or hot water. If available use warm water. Use cold water for blood stains. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe, or ultrasonic method. Not for spray machines, will foam. For nonabrasive scouring, make paste. Use 2% solution to soak frozen stopcocks. To remove silver tarnish, soak in 1% solution in aluminum container. RINSE THOROUGHLY—preferably with running water. For critical cleaning, do final or all rinsing in distilled, deionized, or purified water. For food contact surfaces, rinse with potable water. Used on a wide range of glass, ceramic, plastic, and metal surfaces. Corrosion testing may be advisable.

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1 Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name: LIQUINOX**
· **Application of the substance / the preparation** Hand detergent

· **1.3 Details of the supplier of the Safety Data Sheet**
· **Manufacturer/Supplier:**
Alconox, Inc.
30 Glenn St., Suite 309
White Plains, NY 10603
Phone: 914-948-4040

· **Further information obtainable from:** Product Safety Department
· **1.4 Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36/38: Irritating to eyes and skin.
· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
· **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**
Benzenesulfonic Acid, Sodium Salts
· **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
· **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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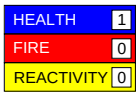
P264	Wash thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P362	Take off contaminated clothing and wash before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.

· **Hazard description:**
· **WHMIS-symbols:**
D2B - Toxic material causing other toxic effects

· **NFPA ratings (scale 0 - 4)**

Health = 1
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1
Fire = 0
Reactivity = 0

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 68081-81-2	Benzenesulfonic Acid, Sodium Salts Xi R38-41 Eye Dam. 1, H318 Skin Irrit. 2, H315	10-25%
CAS: 1300-72-7 EINECS: 215-090-9	sodium xylenesulphonate Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-10%
CAS: 84133-50-6	Alcohol Ethoxylate Xi R36/38 Skin Irrit. 2, H315	2,5-10%
CAS: 68603-42-9 EINECS: 271-657-0	Coconut diethanolamide Xi R36/38	2,5-10%
CAS: 17572-97-3 EINECS: 241-543-5	Ethylenediaminetetraacetic acid, tripotassium salt Xi R36/37/38	2,5-10%

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· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **4.1 Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
· **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Clean the affected area carefully; suitable cleaners are:
Warm water
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

· **7.1 Precautions for safe handling** No special measures required.
· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
· **7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Respiratory protection:** Not required.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Natural rubber, NR
Nitrile rubber, NBR
Neoprene gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Safety glasses

Goggles recommended during refilling

9 Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Light yellow
· **Odour:**	Odourless
· **Odour threshold:**	Not determined.
· **pH-value at 20°C:**	8,5
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	
Decomposition temperature:	Not determined.
· **Self-igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure at 20°C:**	23 hPa
· **Density at 20°C:**	1,08 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water:**	Fully miscible.
· **Segregation coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.

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· **9.2 Other information** No further relevant information available.

10 Stability and reactivity

· **10.1 Reactivity**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**
Reacts with strong oxidizing agents.
Reacts with strong acids.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Sulphur oxides (SOx)
Nitrogen oxides

11 Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Strong irritant with the danger of severe eye injury.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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· **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Smaller quantities can be disposed of with household waste.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
The surfactant used in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **14.1 UN-Number**	
· **DOT, ADR, ADN, IMDG, IATA**	N/A
· **14.2 UN proper shipping name**	
· **DOT, ADR, ADN, IMDG, IATA**	N/A
· **14.3 Transport hazard class(es)**	
· **DOT, ADR, ADN, IMDG, IATA**	
· **Class**	N/A
· **14.4 Packing group**	
· **DOT, ADR, IMDG, IATA**	N/A
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	-

15 Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **United States (USA)**
· **SARA**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

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· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

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· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)

APPENDIX B

Heat and Cold Stress Guidelines

Heat Stress

Heat stress is a significant potential hazard and can be associated with heavy physical activity and/or the use of personal protective equipment (PPE) in hot weather environments.

Heat cramps are brought on by prolonged exposure to heat. As an individual sweats, water and salts are lost by the body resulting in painful muscle cramps. The signs and symptoms of heat cramps are as follows:

- severe muscle cramps, usually in the legs and abdomen;
- exhaustion, often to the point of collapse; and
- dizziness or periods of faintness.

First aid treatment includes moving to a shaded area, rest, and fluid intake. Normally, the individual should recover within one-half hour. If the individual has not recovered within 30 minutes and the temperature has not decreased, the individual should be transported to a hospital for medical attention.

Heat exhaustion may occur in a healthy individual who has been exposed to excessive heat. The circulatory system of the individual fails as blood collects near the skin in an effort to rid the body of excess heat. The signs and symptoms of heat exhaustion are as follows:

- rapid and shallow breathing;
- weak pulse;
- cold and clammy skin with heavy perspiration;
- skin appears pale;
- fatigue and weakness;
- dizziness; and
- elevated body temperature.

First aid treatment includes cooling the victim, elevating the feet, and replacing fluids and electrolytes. If the individual has not recovered within 30 minutes and the temperature has not decreased, the individual should be transported to the hospital for medical attention.

Heat stroke occurs when an individual is exposed to excessive heat and stops sweating. This condition is classified as a **MEDICAL EMERGENCY**, requiring immediate cooling of the victim and transport to a medical facility. The signs and symptoms of heat stroke are as follows:

- dry, hot, red skin;
- body temperature approaching or above 105°F;
- large (dilated) pupils; and
- loss of consciousness – the individual may go into a coma.

First aid treatment requires immediate cooling and transportation to a medical facility.

Heat stress (heat cramps, heat exhaustion, and heat stroke) is a significant hazard if any type of protective equipment (semi-permeable or impermeable) which prevents evaporative cooling is worn in hot weather environments. Local weather conditions may require restricted work schedules in order to adequately protect personnel. The use of work/rest cycles (including working in the cooler periods of the day or evening) and training on the signs and symptoms of heat stress should help prevent heat-related illnesses from occurring. Work/rest cycles will depend on the work load required to perform each task, type of protective equipment, temperature, and humidity. In general, when the temperature exceeds 88°F, a 15 minute rest cycle will be initiated once every two hours. In addition, potable water and fluids containing electrolytes (e.g., Gatorade) will be available to replace lost body fluids.

Cold Stress

Cold stress is a danger at low temperatures and when the wind-chill factor is low. Prevention of cold-related illnesses is a function of whole-body protection. Adequate insulating clothing must be used when the air temperature is below 40°F. In addition, reduced work periods followed by rest in a warm area may be necessary in extreme conditions. Training on the signs and symptoms of cold stress should prevent cold-related illnesses from occurring. The signs and symptoms of cold stress include the following:

- severe shivering;
- abnormal behavior;

- slowing of body movement;
- confusion;
- weakness;
- stumbling or repeated falling;
- inability to walk;
- collapse; and/or
- unconsciousness.

First aid requires removing the victim from the cold environment and seeking medical attention immediately. Also, prevent further body heat loss by covering the victim lightly with blankets. Do not cover the victim's face. If the victim is still conscious, administer hot drinks, and encourage activity, such as walking wrapped in a blanket.

APPENDIX C

Medical Data Form

MEDICAL DATA SHEET

This form must be completed by all onsite personnel prior to the commencement of activities, and shall be kept by the Site Health and Safety Officer during site activities. This form must be delivered to any attending physician when medical assistance is needed.

(This form should be typed or printed legibly.)

Site: _____

Name: _____ Home Telephone: _____
(Area Code/Telephone Number)

Address: _____

Date of Birth: _____ Height: _____ Weight: _____

Emergency Contact: _____ Telephone: _____
(Area Code/Telephone Number)

Drug Allergies or Other Allergies: _____

_____

Previous Illnesses or Exposures to Hazardous Substances: _____

_____

_____

Current Medication (Prescription and Non-Prescription): _____

_____

_____

Medical Restrictions: _____

_____

Name, Address and Telephone Number of Person Physician: _____

_____

APPENDIX D

Community Air Monitoring Plan

Community Air Monitoring Plan

5510 Broadway, Bronx, New York - (excerpted from NYC OER approved Site Specific Remedial Action Work Plan)

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedances of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the

15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

APPENDIX E

Health and Safety Briefing/Tailgate Meeting Form

HEALTH & SAFETY BRIEFING / TAILGATE MEETING FORM

Site Name / Location _____

Date: _____ Weather Forecast: _____

Names of Personnel Attending Briefing

_____ _____ _____

_____ _____ _____

_____ _____ _____

Planned Work

_____

_____

_____

Instrument Calibration: Instrument/Time/Cal. Gas/Cal. Concentration/Actual Concentration

_____

_____

_____

Items Discussed

_____

_____

_____

_____

_____

Work Permit Type and Applicable Restrictions

_____

_____

_____

Signatures of Attending Personnel

_____ _____ _____

_____ _____ _____

_____ _____ _____

APPENDIX F

Accident Report and Investigation Form

☐ **Roux Associates, Inc.** ☐ **Remedial Engineering, P.C.**
(Check applicable company name)

ACCIDENT REPORT

Joe Gentile, Corporate Health and Safety Manager
Cell: (610) 844-6911; Office: (856) 423-8800; Office FAX: (856) 423-3220; Home: (484) 373-0953

PART 1: ADMINISTRATIVE INFORMATION

Project #: _____
Project Name: _____
Project Location (street address/city/state)**:**
_____
_____
Client Corporate Name / Contact / Address / Phone #:
_____
_____
_____
_____
_____

Immediate Verbal Notifications Given To:

Corporate Health & Safety	☐Yes	☐No
Office Health & Safety	☐Yes	☐No
Office Manager	☐Yes	☐No
Project Principal	☐Yes	☐No
Project Manager	☐Yes	☐No
Client Contact	☐Yes	☐No

REPORT STATUS (time due):
☐ Initial (24 hr) ☐ Final (5-10 days)
Date: _____ Date: _____

Accident Report Delivered To:

Corporate Health & Safety	☐Yes	☐No
Office Health & Safety	☐Yes	☐No
Office Manager	☐Yes	☐No
Project Principal	☐Yes	☐No
Project Manager	☐Yes	☐No

REPORT TYPE: ☐ Loss ☐ Near Loss Estimated Costs: $ _____

OSHA CASE # Assigned by Corporate Health & Safety if Applicable: _____

Corporate Health & Safety Confirmed Final Accident Report
☐Yes ☐No

DATE OF INCIDENT: _____

TIME INCIDENT OCCURRED: _____ ☐AM ☐PM

INCIDENT LOCATION – City, State, and Country (If outside U.S.A.)
_____

INCIDENT TYPES: (Select most appropriate if Loss occurred.)
From lists below, please select the option that best categories the incident. When selecting an injury or illness, also indicate the severity level.

☐**INJURY** ☐**ILLNESS**

----------**Severity Level**----------

☐Fatality ☐First Aid ☐Medical Treatment
☐Restricted Work ☐Lost Time

OTHER INCIDENT TYPES

☐Spill / Release
Material involved:_____
Quantity (U.S. Gallons): _____

☐Misdirected Waste ☐Consent Order ☐NOV
☐Property Damage ☐Exceedance
☐Motor Vehicle ☐Fine / Penalty

ACTIVITY TYPE (Check most appropriate one.)

☐Decommissioning	☐Geoprobe	☐Sampling
☐Demolition	☐Motor Vehicle	☐System Start-up
☐Dewatering	☐Operations/ Maintenance	☐Trenching
☐Drilling		☐AST/UST Removal
☐Excavation	☐Pump/Pilot Test	☐Other_____
☐Gauging	☐Rigging/Lifting	

INJURY TYPE (Check all applicable.)

☐Abrasion	☐Occupational Illness
☐Amputation	☐Puncture
☐Burn	☐Rash
☐Cold/Heat Stress	☐Repetitive Motion
☐Inflammation	☐Sprain/Strain
☐Laceration	☐Other_____

BODY PART AFFECTED (Check all applicable.)

☐Respiratory	☐Shoulder	☐Face
☐Neck	☐Arm	☐Leg
☐Chest	☐Wrist	☐Knee
☐Abdomen	☐Hand/Fingers	☐Ankle
☐Groin	☐Eye	☐Foot/Toes
☐Back	☐Head	☐Other_____

I. PERSON(S) DIRECTLY / INDIRECTLY INVOLVED IN INCIDENT (Attach additional information as necessary/applicable.)

Name/Phone # of Each Person Directly/Indirectly Involved in Incident:	Designate: Roux/Remedial Employee Roux/Remedial Subcontractor Client Employee Client Contractor Third Party	As applicable, Current Occupation; Yrs in Current Occupation; Current Position; and Yrs in Current Position:	As applicable, Employer Name; Address; and Phone #:	As applicable, Supervisor Name; and Phone #:
1)				
2)				

II. PERSONS INJURED IN INCIDENT (Attach additional information as necessary/applicable.)

Name/Phone # of Each Person Injured in Incident:	Designate: Roux/Remedial Employee Roux/Remedial Subcontractor Client Employee Client Contractor Third Party	As applicable, Current Occupation; Yrs in Current Occupation; Current Position; and Yrs in Current Position:	As applicable, Employer Name; Address; and Phone #:	As applicable, Supervisor Name; and Phone #:	Description of Injury:
1)					
2)					

III. PROPERTY DAMAGED IN INCIDENT (Attach additional information as necessary/applicable.)

Property Damaged:	Property Location:	Owner Name, Address & Phone #:	Description of Damage:	Estimated Cost:
1)				$

2)				$

IV. WITNESSES TO INCIDENT (Attach additional information as necessary/applicable.)

Witness Name:	Address:	Phone #:
1)		
2)		

PART 2: WHAT HAPPENED AND INCIDENT DETAILS

PROVIDE FACTUAL DESCRIPTION OF INCIDENT (e.g., describe loss/near loss, injury, response / treatment).

I. AUTHORITIES/GOVERNMENTAL AGENCIES NOTIFIED (Attach additional information as necessary/applicable.)

Authority/Agency Notified:	Name/Phone #/Fax # of Person Notified:	Address of Person Notified:	Date & Time of Notification:	Exact Information Reported/Provided:

II. PUBLIC RESPONSES TO INCIDENT (if applicable)

Response/Inquiry By: (check one)	Entity Name:	Name/Phone # of Respondent/ Inquirer:	Address of Entity/Person:	Date & Time of Response/Inquiry:
☐ Newspaper ☐ Television ☐ Community Group ☐ Neighbors ☐ Other _____				

Describe Response/Inquiry:

Roux/Remedial Response:

(Check all that apply.) (Attach photos, drawings, etc. to help illustrate the incident.)
ATTACHED INFORMATION: ☐ Photo ☐ Sketches ☐ Vehicle Acord Form ☐ Police Report ☐ Other

Name(s) of person(s) who prepared Initial and Final Report:	**Title(s):**	**Phone number(s):**

PART 3: INVESTIGATION TEAM ANALYSIS

CONCLUSION: WHY IT HAPPENED (LIST CAUSAL FACTORS AND CORRESPONDING ROOT CAUSES)

(Root Causes: Lack of knowledge or skill, Doing the task according to procedures or acceptable practices takes more time or effort, Short-cuts or not following acceptable practices is reinforced or tolerated, Not following procedures or acceptable practices did not result in an accident, Lack of or inadequate procedures, Inadequate communications of expectations regarding procedures or acceptable practices, Inadequate tools or equipment, External Factors)

ROOT CAUSE(S) AND SOLUTION(S): HOW TO PREVENT INCIDENT FROM RECURRING

CAUSAL FACTOR	ROOT CAUSE		SOLUTION(S) [Must Match Root Cause(s)] #	Solution(s)	PERSON RESPONSIBLE	AGREED DUE DATE	ACTUAL COMPLETION DATE
			1				
			2				
			3				

INVESTIGATION TEAM:

PRINT NAME	JOB POSITION	DATE	SIGNATURE

No One Gets Hurt!

APPENDIX G

Acord Form

AUTOMOBILE LOSS NOTICE

DATE (MM/DD/YYYY)

AGENCY	INSURED LOCATION CODE	DATE OF LOSS AND TIME
The Treiber Group AJ Gallagher Risk Mgmt Svcs 377 Oak Street Garden City, NY 11530		AM / PM

CARRIER	NAIC CODE
Great Divide Insurance Company	25224

POLICY NUMBER: BAP1549799-10

POLICY TYPE: Commercial Automobile

CONTACT NAME: Teresa Garzia
PHONE (A/C, No, Ext): 516.622.2418
FAX (A/C, No): 516.622.2618
E-MAIL ADDRESS: teresa_garzia@ajg.com
CODE:
SUBCODE:
AGENCY CUSTOMER ID: ROUXASSO

INSURED

NAME OF INSURED (First, Middle, Last)	DATE OF BIRTH	FEIN (if applicable)	MARITAL STATUS / CIVIL UNION (if applicable)
Roux Associates, Inc.		11-2579482	

INSURED'S MAILING ADDRESS:
Susan Sullivan, General Counsel, Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749

PRIMARY PHONE # ☐ HOME ☑ BUS ☐ CELL: 631.232.2600
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL:
PRIMARY E-MAIL ADDRESS: LegalDept@rouxinc.com
SECONDARY E-MAIL ADDRESS: Fax Notice of Loss to: 631.232.1525

CONTACT

☐ CONTACT INSURED

NAME OF CONTACT (First, Middle, Last): Susan Sullivan, General Counsel

PRIMARY PHONE # ☐ HOME ☑ BUS ☐ CELL: 631.232.2600
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL:

CONTACT'S MAILING ADDRESS:
Susan Sullivan, General Counsel, Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749

WHEN TO CONTACT:
PRIMARY E-MAIL ADDRESS: LegalDept@rouxinc.com
SECONDARY E-MAIL ADDRESS: Fax Notice of Loss to: 631.232.1525

LOSS

LOCATION OF LOSS
STREET:
CITY, STATE, ZIP:
COUNTRY:

POLICE OR FIRE DEPARTMENT CONTACTED:
REPORT NUMBER:

DESCRIBE LOCATION OF LOSS IF NOT AT SPECIFIC STREET ADDRESS:

DESCRIPTION OF ACCIDENT (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

INSURED VEHICLE

VEH #	YEAR	MAKE:	BODY TYPE:	PLATE NUMBER	STATE
		MODEL:	V.I.N.:		

OWNER'S NAME AND ADDRESS ☐ (Check if same as insured)

PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
PRIMARY E-MAIL ADDRESS:
SECONDARY E-MAIL ADDRESS:

DRIVER'S NAME AND ADDRESS ☐ (Check if same as owner)

PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
PRIMARY E-MAIL ADDRESS:
SECONDARY E-MAIL ADDRESS:

RELATION TO INSURED (Employee, family, etc.)	DATE OF BIRTH	DRIVER'S LICENSE NUMBER	STATE	PURPOSE OF USE	USED WITH PERMISSION? (Y/N)

DESCRIBE DAMAGE

1. WAS A STANDARD CHILD PASSENGER RESTRAINT SYSTEM (CHILD SEAT) INSTALLED IN THE VEHICLE AT THE TIME OF THE ACCIDENT?		Y / N
2. WAS THE CHILD PASSENGER RESTRAINT SYSTEM (CHILD SEAT) IN USE BY A CHILD DURING THE TIME OF THE ACCIDENT?		Y / N
3. DID THE CHILD PASSENGER RESTRAINT SYSTEM (CHILD SEAT) SUSTAIN A LOSS AT THE TIME OF THE ACCIDENT?		Y / N

ESTIMATE AMOUNT:	WHERE CAN VEHICLE BE SEEN?:	WHEN CAN VEHICLE BE SEEN?:
OTHER INSURANCE ON VEHICLE - CARRIER:		POLICY NUMBER:

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OTHER VEHICLE / PROPERTY DAMAGED **NON - VEHICLE?** ☐ **AGENCY CUSTOMER ID:** ROUXASSO

VEH #	YEAR	MAKE:	BODY TYPE:	PLATE NUMBER	STATE
		MODEL:	V.I.N.:		

DESCRIBE PROPERTY (Other Than Vehicle)	OTHER VEH/PROP INS? (Y/N) ☐

CARRIER OR AGENCY NAME	NAIC CODE	POLICY NUMBER

OWNER'S NAME AND ADDRESS	PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL	SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
	PRIMARY E-MAIL ADDRESS:	
	SECONDARY E-MAIL ADDRESS:	

DRIVER'S NAME AND ADDRESS ☐ (Check if same as owner)	PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL	SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
	PRIMARY E-MAIL ADDRESS:	
	SECONDARY E-MAIL ADDRESS:	

DESCRIBE DAMAGE		
ESTIMATE AMOUNT	WHERE CAN DAMAGE BE SEEN?	

INJURED

NAME & ADDRESS	PHONE (A/C, No)	PED	INS VEH	OTH VEH	AGE	EXTENT OF INJURY
		☐	☐	☐		
		☐	☐	☐		
		☐	☐	☐		
		☐	☐	☐		

WITNESSES OR PASSENGERS

NAME & ADDRESS	PHONE (A/C, No)	INS VEH	OTH VEH	OTHER (Specify)
		☐	☐	
		☐	☐	
		☐	☐	

REPORTED BY	REPORTED TO

REMARKS (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

APPLICABLE IN ALASKA

A person who knowingly and with intent to injure, defraud, or deceive an insurance company files a claim containing false, incomplete, or misleading information may be prosecuted under state law.

APPLICABLE IN ARIZONA

For your protection, Arizona law requires the following statement to appear on this form. Any person who knowingly presents a false or fraudulent claim for payment of a loss is subject to criminal and civil penalties.

APPLICABLE IN ARKANSAS, DELAWARE, KENTUCKY, LOUISIANA, MAINE, MICHIGAN, NEW JERSEY, NEW MEXICO, NORTH DAKOTA, PENNSYLVANIA, RHODE ISLAND, SOUTH DAKOTA, TENNESSEE, TEXAS, VIRGINIA, AND WEST VIRGINIA

Any person who knowingly and with intent to defraud any insurance company or another person, files a statement of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact, material thereto, commits a fraudulent insurance act, which is a crime, subject to criminal prosecution and civil penalties. In LA, ME, TN, and VA, insurance benefits may also be denied.

APPLICABLE IN CALIFORNIA

For your protection, California law requires the following to appear on this form: Any person who knowingly presents a false or fraudulent claim for payment of a loss is guilty of a crime and may be subject to fines and confinement in state prison.

APPLICABLE IN COLORADO

It is unlawful to knowingly provide false, incomplete, or misleading facts or information to an insurance company for the purpose of defrauding or attempting to defraud the company. Penalties may include imprisonment, fines, denial of insurance, and civil damages. Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policy holder or claimant for the purpose of defrauding or attempting to defraud the policy holder or claimant with regard to a settlement or award payable from insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.

APPLICABLE IN THE DISTRICT OF COLUMBIA

Warning: It is a crime to provide false or misleading information to an insurer for the purpose of defrauding the insurer or any other person. Penalties include imprisonment and/or fines. In addition, an insurer may deny insurance benefits, if false information materially related to a claim was provided by the applicant.

APPLICABLE IN FLORIDA

Pursuant to S. 817.234, Florida Statutes, any person who, with the intent to injure, defraud, or deceive any insurer or insured, prepares, presents, or causes to be presented a proof of loss or estimate of cost or repair of damaged property in support of a claim under an insurance policy knowing that the proof of loss or estimate of claim or repairs contains any false, incomplete, or misleading information concerning any fact or thing material to the claim commits a felony of the third degree, punishable as provided in S. 775.082, S. 775.083, or S. 775.084, Florida Statutes.

APPLICABLE IN HAWAII

For your protection, Hawaii law requires you to be informed that presenting a fraudulent claim for payment of a loss or benefit is a crime punishable by fines or imprisonment, or both.

APPLICABLE IN IDAHO

Any person who knowingly and with the intent to injure, defraud, or deceive any insurance company files a statement of claim containing any false, incomplete or misleading information is guilty of a felony.

APPLICABLE IN INDIANA

A person who knowingly and with intent to defraud an insurer files a statement of claim containing any false, incomplete, or misleading information commits a felony.

APPLICABLE IN KANSAS

Any person who, knowingly and with intent to defraud, presents, causes to be presented or prepares with knowledge or belief that it will be presented to or by an insurer, purported insurer, broker or any agent thereof, any written statement as part of, or in support of, an application for the issuance of, or the rating of an insurance policy for personal or commercial insurance, or a claim for payment or other benefit pursuant to an insurance policy for commercial or personal insurance which such person knows to contain materially false information concerning any fact material thereto; or conceals, for the purpose of misleading, information concerning any fact material thereto commits a fraudulent insurance act.

APPLICABLE IN MARYLAND

Any person who knowingly and [or]* willfully presents a false or fraudulent claim for payment of a loss or benefit or who knowingly and [or]* willfully presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison. * [or] effective 01-01-2013

APPLICABLE IN MINNESOTA

A person who files a claim with intent to defraud or helps commit a fraud against an insurer is guilty of a crime.

APPLICABLE IN NEVADA

Pursuant to NRS 686A.291, any person who knowingly and willfully files a statement of claim that contains any false, incomplete or misleading information concerning a material fact is guilty of a felony.

APPLICABLE IN NEW HAMPSHIRE

Any person who, with purpose to injure, defraud or deceive any insurance company, files a statement of claim containing any false, incomplete or misleading information is subject to prosecution and punishment for insurance fraud, as provided in RSA 638:20.

APPLICABLE IN NEW YORK

Any person who knowingly and with intent to defraud any insurance company or other person files an application for commercial insurance or a statement of claim for any commercial or personal insurance benefits containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, and any person who in connection with such application or claim knowingly makes or knowingly assists, abets, solicits or conspires with another to make a false report of the theft, destruction, damage or conversion of any motor vehicle to a law enforcement agency, the Department of Motor Vehicles or an insurance company, commits a fraudulent insurance act, which is a crime, and shall also be subject to a civil penalty not to exceed five thousand dollars and the value of the subject motor vehicle or stated claim for each violation.

APPLICABLE IN OHIO

Any person who, with intent to defraud or knowing that he/she is facilitating a fraud against an insurer, submits an application or files a claim containing a false or deceptive statement is guilty of insurance fraud.

APPLICABLE IN OKLAHOMA

WARNING: Any person who knowingly and with intent to injure, defraud or deceive any insurer, makes any claim for the proceeds of an insurance policy containing any false, incomplete or misleading information is guilty of a felony.

APPLICABLE IN WASHINGTON

It is a crime to knowingly provide false, incomplete, or misleading information to an insurance company for the purpose of defrauding the company. Penalties include imprisonment, fines and denial of insurance benefits.

APPENDIX H

OSHA 300

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year _____

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Establishment name _____

City _____ State _____

Identify the person				Describe the case		Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
					Page totals	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Injury | Skin Disorder | Respiratory Condition | Poisoning | Hearing Loss | All other illnesses

(1) (2) (3) (4) (5) (6)

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

EQO1924.0005Y.105/APH

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year _____

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of…
(M)

(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment information

Your establishment name _____

Street _____

City _____ State _____ Zip _____

Industry description (e.g., Manufacture of motor truck trailers)

_____

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

___ ___ ___ ___

OR North American Industrial Classification (NAICS), if known (e.g., 336212)

___ ___ ___ ___ ___ ___

Employment information

Annual average number of employees _____

Total hours worked by all employees last year _____

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

_____ Company executive

_____ Title

_____ Phone

_____ Date

EQO1924.0005Y.105/APH

OSHA's Form 301
Injuries and Illnesses Incident Report

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

U.S. Department of Labor

Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

This *Injury and Illness Incident Report* is one of the first forms you must fill out when a recordable work-related injury or illness has occurred. Together with the *Log of Work-Related injuries and Illnesses* and the accompanying *Summary*, these forms help the employer and OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the information asked for on this form.

According to Public Law 91-596 and 29 CFR 1904, OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains

If you need additional copies of this form, you may photocopy and use as many as you need.

Completed by _____

Title _____

Phone _____ Date _____

Information about the employee

1) Full Name _____

2) Street _____

City _____ State _____ Zip _____

3) Date of birth _____

4) Date hired _____

5) ☐ Male
☐ Female

Information about the physician or other health care professional

6) Name of physician or other health care professional

_____

_____

7) If treatment was given away from the worksite, where was it given?

Facility _____

Street _____

City _____ State _____ Zip _____

8) Was employee treated in an emergency room?
☐ Yes
☐ No

9) Was employee hospitalized overnight as an in-patient?
☐ Yes
☐ No

Information about the case

10) Case number from the Log _____ *(Transfer the case number from the Log after you record the case.)*

11) Date of injury or illness _____

12) Time employee began work _____ AM/PM

13) Time of event _____ AM/PM ☐ Check if time cannot be determined

14) **What was the employee doing just before the incident occurred?** Describe the activity, as well as the tools, equipment or material the employee was using. Be specific. Examples: "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

15) **What happened?** Tell us how the injury occurred. Examples: "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."

16) **What was the injury or illness?** Tell us the part of the body that was affected and how it was affected; be more specific than "hurt", "pain", or "sore." Examples: "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."

17) **What object or substance directly harmed the employee?** Examples: "concrete floor"; "chlorine"; "radial arm saw." If this question does not apply to the incident, leave it blank.

18) **If the employee died, when did death occur?** Date of death

Public reporting burden for this collection of information is estimated to average 22 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Persons are not required to respond to the collection of information unless it displays a current valid OMB control number. If you have any comments about this estimate or any other aspects of this data collection, including suggestions for reducing this burden, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

APPENDIX I

Weekly Safety Report

APPENDIX I

WEEKLY SAFETY REPORT

Job Name_____ Job#_____

Week of: **Days Without Lost Time Injury:**

Describe any recordable incidents or accidents:

What actions were taken to prevent such incidents or accidents from occurring again?

Was training conducted addressing the incident? Y N What date?___

What level of PPE is currently in place?

Has PPE been upgraded or downgraded?

Have Perimeter Air Monitoring action limits been exceeded:

What action was taken to mitigate the exceedance?

Have personal air monitoring limits been exceeded:

What actions were taken?

List any problems with air monitoring equipment:

Write a summary of work completed during the week:

Write a summary of proposed work for the coming week:

Summarize any safety issues that are outstanding:

HSO Name: _____ HSO Signature: _____

APPENDIX J

Job Safety and Health Protection Poster

You Have a Right to a Safe and Healthful Workplace.

IT'S THE LAW!

- You have the right to notify your employer or OSHA about workplace hazards. You may ask OSHA to keep your name confidential.
- You have the right to request an OSHA inspection if you believe that there are unsafe and unhealthful conditions in your workplace. You or your representative may participate in the inspection.
- You can file a complaint with OSHA within 30 days of discrimination by your employer for making safety and health complaints or for exercising your rights under the *OSH Act*.
- You have a right to see OSHA citations issued to your employer. Your employer must post the citations at or near the place of the alleged violation.
- Your employer must correct workplace hazards by the date indicated on the citation and must certify that these hazards have been reduced or eliminated.
- You have the right to copies of your medical records or records of your exposure to toxic and harmful substances or conditions.
- Your employer must post this notice in your workplace.

The *Occupational Safety and Health Act of 1970 (OSH Act)*, P.L. 91-596, assures safe and healthful working conditions for working men and women throughout the Nation. The Occupational Safety and Health Administration, in the U.S. Department of Labor, has the primary responsibility for administering the *OSH Act*. The rights listed here may vary depending on the particular circumstances. To file a complaint, report an emergency, or seek OSHA advice, assistance, or products, call 1-800-321-OSHA or your nearest OSHA office: • Atlanta (404) 562-2300 • Boston (617) 565-9860 • Chicago (312) 353-2220 • Dallas (214) 767-4731 • Denver (303) 844-1600 • Kansas City (816) 426-5861 • New York (212) 337-2378 • Philadelphia (215) 861-4900 • San Francisco (415) 975-4310 • Seattle (206) 553-5930. Teletypewriter (TTY) number is 1-877-889-5627. To file a complaint online or obtain more information on OSHA federal and state programs, visit OSHA's website at **www.osha.gov**. If your workplace is in a state operating under an OSHA-approved plan, your employer must post the required state equivalent of this poster.

1-800-321-OSHA
www.osha.gov

U.S. Department of Labor • Occupational Safety and Health Administration • OSHA 3165

APPENDIX F

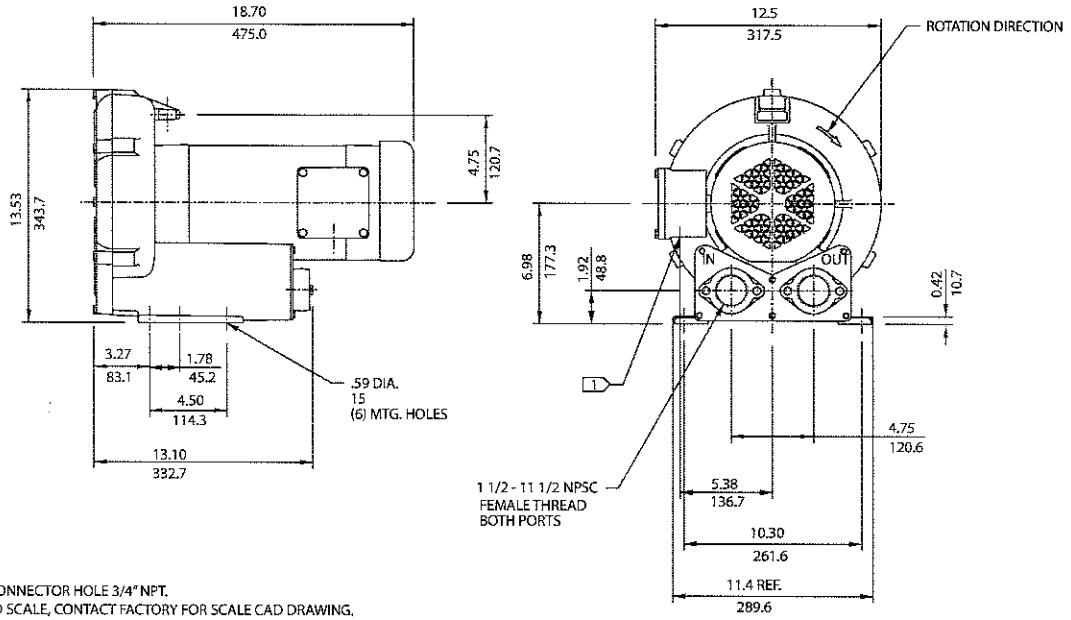
Specifications for Sub-slab Depressurization System

Environmental / Chemical Processing Blowers

ROTRON®

EN 454 & CP 454

1.5 HP Sealed Regenerative w/Explosion-Proof Motor



IN
MM

NOTES
1 TERMINAL BOX CONNECTOR HOLE 3/4" NPT.
2 DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3 CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

		Part/Model Number			
		EN454W58ML	EN454W72ML	CP454W72MLR	CP454FR72MLR
Specification	Units	080487	080488	080490	080494
Motor Enclosure - Shaft Mtl.	-	1.5	1.5	1.5	1.5
Horsepower	-	Explosion-proof-CS	Explosion-proof-CS	Chem XP-CS	Chem XP-SS
Phase - Frequency	-	Single-60 hz	Three-60 hz	Three-60 hz	Three-60 hz
Voltage	AC	115/208-230	230/460	230/460	230/460
Motor Nameplate Amps	Amps (A)	15/7.9-7.5	4.6/2.3	4.5/2.3	4.6/2.3
Max. Blower Amps	Amps (A)	19/10.9-9.5	5.6/2.8	5.6/2.8	5.6/2.8
Inrush Amps	Amps (A)	96-48	32/16	32/16	32/16
Service Factor	-	1/0	00/00	00/00	00/00
Starter Size	-	1.0	1.0	1.0	1.0
Thermal Protection	-	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty
XP Motor Class - Group	-	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G
Shipping Weight	Lbs	90	84	84	84
	Kg	40.8	38.1	38.1	38.1

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz.** Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz.** All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

XP Motor Class - Group - See Explosive Atmosphere Classification Chart in Section I

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

AMETEK TECHNICAL & INDUSTRIAL PRODUCTS
75 North Street, Saugerties, NY 12477
USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
Customer Service Fax: +1 215.256.1338
www.ametektip.com

AMETEK®
TECHNICAL & INDUSTRIAL PRODUCTS

Environmental / Chemical Processing Blowers

ROTRON®

EN 454 & CP 454

1.5 HP Sealed Regenerative w/Explosion-Proof Motor

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 120 SCFM
- Maximum pressure: 65 IWG
- Maximum vacuum: 59 IWG
- Standard motor: 1.5 HP, explosion-proof
- Cast aluminum blower housing, impeller , cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

MOTOR OPTIONS

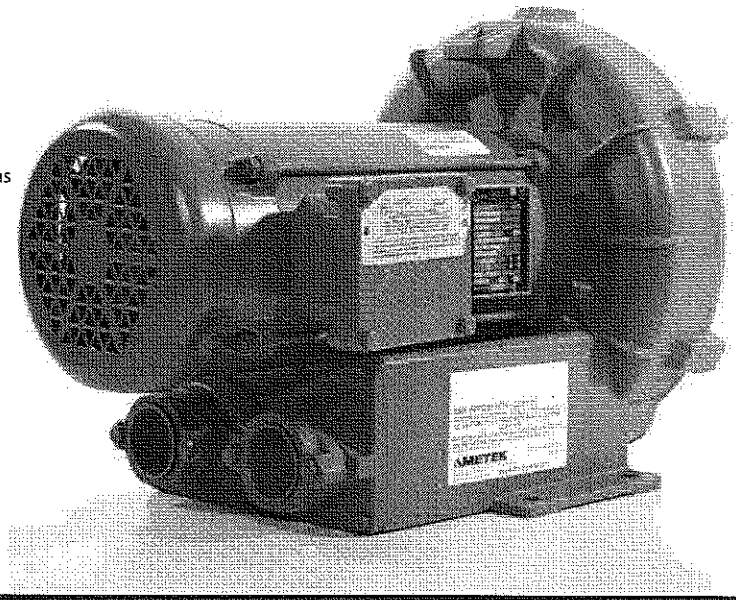
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

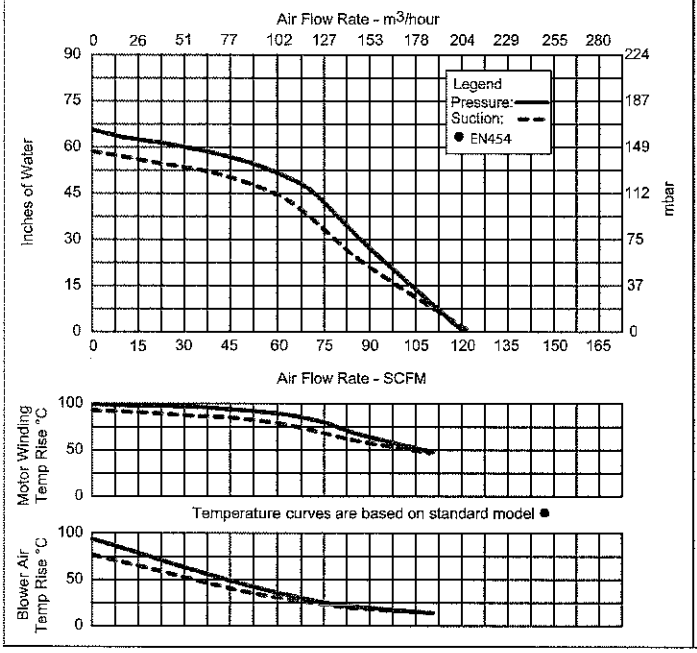
ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

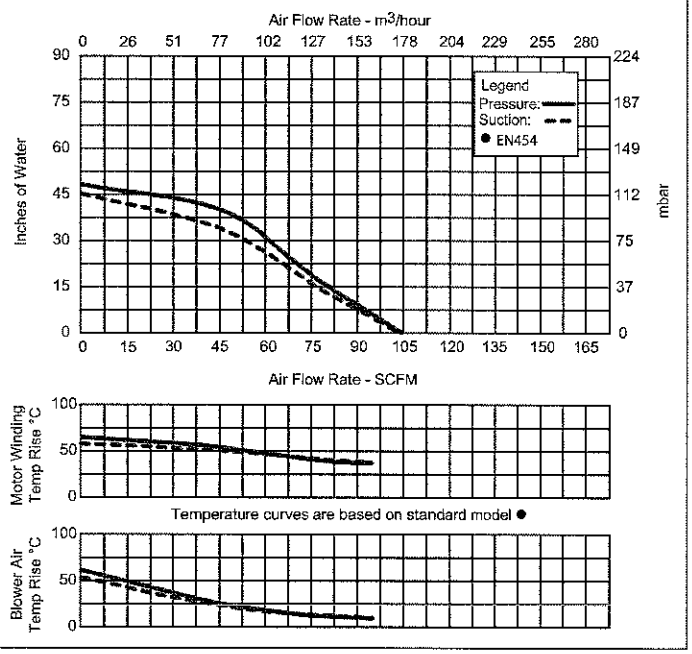


Blower Performance at Standard Conditions

60 Hz



50 Hz



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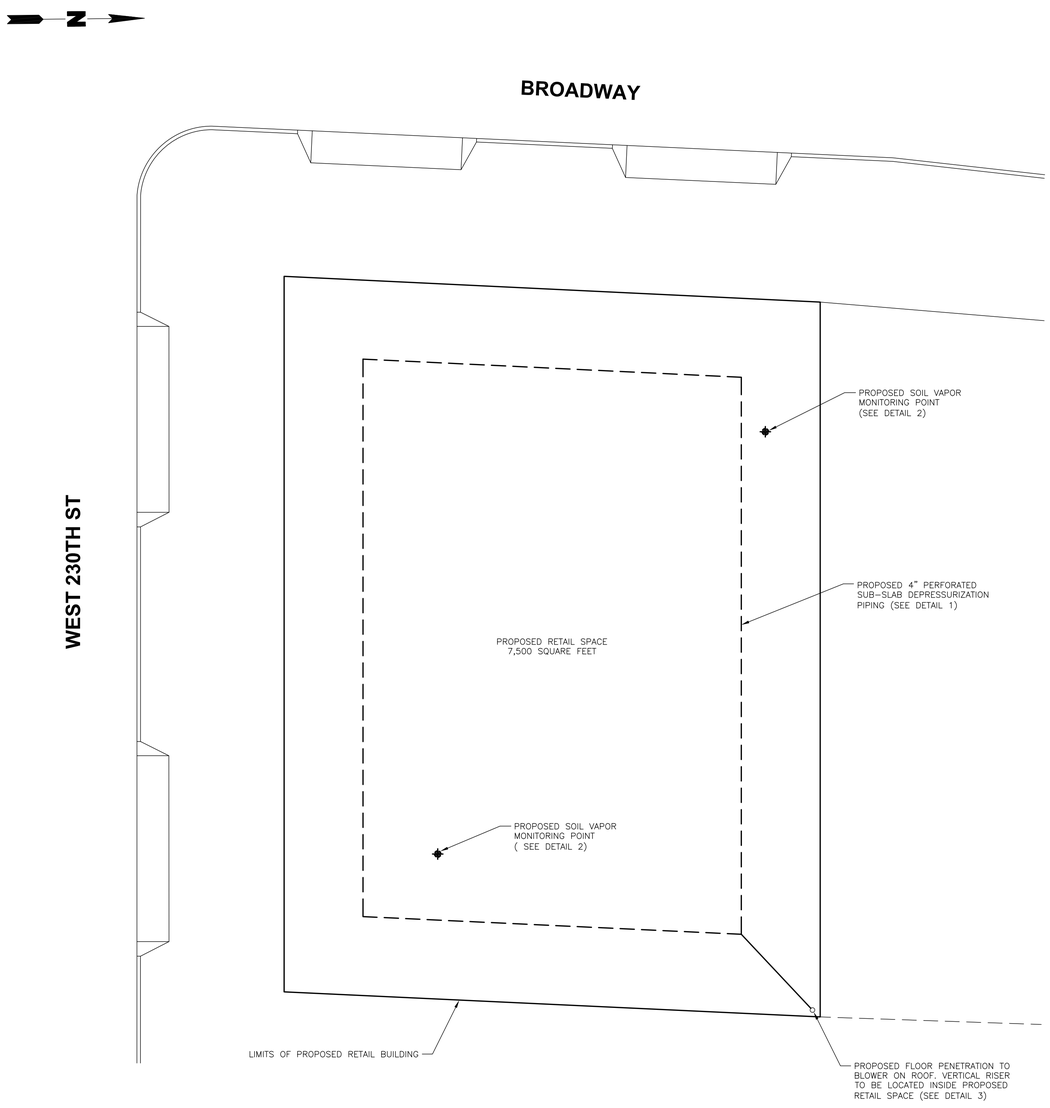
www.ametektip.com

AMETEK®
TECHNICAL & INDUSTRIAL PRODUCTS

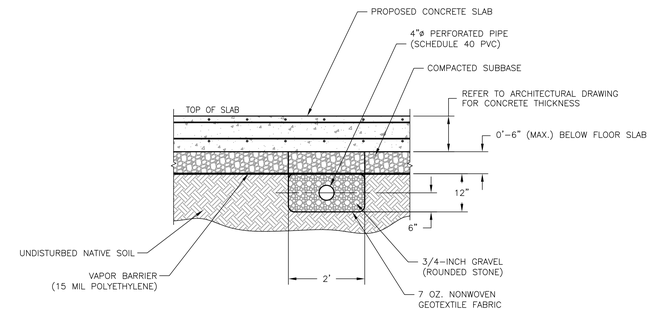
PLATE

1. Proposed Active Sub-Slab Depressurization System



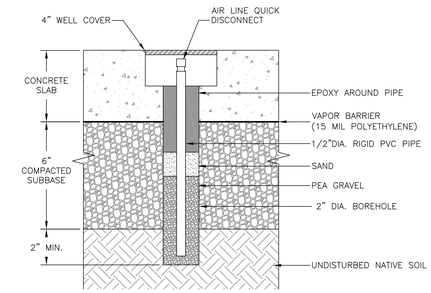
PROPOSED SUB-SLAB DEPRESSURIZATION SYSTEM PLAN

SCALE: 1"=10'



1 PROPOSED SUB-SLAB DEPRESSURIZATION SYSTEM PIPE DETAIL

NOT TO SCALE

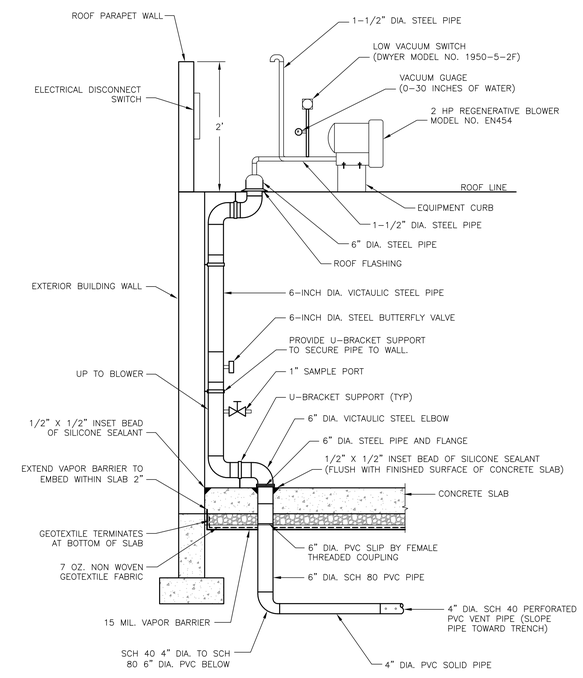


NOTE

DEPICTED LOCATIONS OF SOIL VAPOR MONITORING POINTS ARE APPROXIMATE AND SHALL BE COORDINATED AND CONFIRMED WITH EQUITY ONE AND ROUX ASSOCIATES PRIOR TO CONSTRUCTION.

2 SOIL VAPOR MONITORING POINT DETAIL

SCALE: 1" = 4'



3 PROPOSED TYPICAL VERTICAL RISER TO BLOWER DETAIL

NOT TO SCALE

NOTES

1. ONE WARNING LIGHT TO BE LOCATED IN THE INTERIOR SPACE.
2. WARNING LIGHT WILL COME ON WHEN THERE IS NO POWER TO THE BLOWER OR A LOW VACUUM SITUATION OCCURS.

Title:

PROPOSED ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM

5510 BROADWAY
BRONX, NEW YORK

Prepared For:

EQUITY ONE, INC.

Remedial REMEDIAL ENGINEERING, P.C. ENVIRONMENTAL ENGINEERS	Compiled by: G.N.	Date: 18JUN13	PLATE
	Prepared by: J.A.D.	Scale: AS SHOWN	1
	Project Mgr: G.N.	Project: 1924.0005Y00	
	File: 1924.0005Y105.01.DWG		

V:\CAD\PROJECTS\1924\0005Y\105\1924.0005Y105.01.DWG

APPENDIX B-2

5510 Broadway Stipulation Letter

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749 TEL 631-232-2600 FAX 631-232-9898

April 16, 2014

New York City Office of Environmental Remediation
City Voluntary Cleanup Program
100 Gold Street, 2nd Floor
New York, New York 10038

Attention: Mr. Shaminder Chawla

Re: **VCP: 13CVCP105X**
OER E# 13EHAZ381X
5510 Broadway
Remedial Action Work Plan (RAWP) Stipulation List

Dear Mr. Chawla:

Remedial Engineering Inc./Roux Associates, Inc. hereby submits a Remedial Action Work Plan (RAWP) Stipulation List for the Site to the New York City Office of Environmental Remediation (OER) on behalf of Equity One (Northeast Portfolio) Inc. This letter serves as an addendum to the RAWP to stipulate additional content, requirements, and procedures that will be followed during the site remediation. The contents of this list are added to the RAWP and will supersede the content in the RAWP where there is a conflict in purpose or intent. The additional requirements/procedures include the following Stipulation List below:

1. The criterion attached in **Appendix 1** will be utilized if additional petroleum containing tank or vessel is identified during the remedial action or subsequent redevelopment excavation activities. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designed for heating oil tanks and other small or moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.

2. Complete project description is included here: The site will be combined with the adjacent property located at 5530 Broadway and a two -story slab-on-grade building will be constructed. The site consists of one lot, Block 3266, Lot 21, but the building will cover both Lot 21 and adjacent Lot 23 (5530 Broadway). The new building will have a 19,000 sq. ft. footprint and 35,000 gross sq.ft. on two stories. The building will cover the entire Site, and there will be no open space or landscaped areas. The overall building height will be up to 40 feet. The ground-level and second story will be subdivided into multiple commercial/retail spaces.

3. An engineered composite site cover will be placed over the entire footprint of the Site. The composite cover system will be comprised of concrete foundation/slabs. Cross section of the composite site cover is provided as **Appendix 2**.

4. A pre-construction meeting is required prior to start of remedial excavation work at the site. A pre-construction meeting will be held at the Site and will be attended by OER, the developer or developer representative, the consultant, excavation/general contractor, and if applicable, the soil broker.

5. A pre-approval letter from all disposal facilities will be provided to OER prior to any soil/fill material removal from the Site. Documentation specified in the RAWP - Appendix C - Section 1.6 "Materials Disposal Off-Site" will be provided to OER. If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.

6. A CD containing the final RAWP including this approved Stipulation List will be placed in the library that constitutes the primary public repository for project documents.

7. Signage for the project will include a sturdy placard mounted in a publically accessible right of way to building and other permits signage will consist of the NYC VCP Information Sheet (attached **Appendix 3**) announcing the remedial action. The Information sheet will be laminated and permanently affixed to the placard.

8. In the event that hazardous waste is identified during the remedial action or subsequent redevelopment excavation activities at this NYC VCP project, and removal and transportation of hazardous waste becomes necessary, the project may be subject to the New York State Department of Environmental Conservation's Special Assessment Tax (ECL 27-0923) and Hazardous Waste Regulatory Fees (ECL 72-00402). See DEC's website for more information: http://www.dec.ny.gov/chemical/9099.html.

9. For this site of 7500 square feet, collection and analysis of four (4) end-point samples from the bottom of the excavation will be collected to evaluate the performance of the remedy with respect to attainment of Track 2 Restricted Commercial SCOs. A map indicating approximate end-point sampling locations is attached in **Appendix 4**. Samples will be analyzed for contaminants of concern [Metals, and Pesticides].

10. OER requires parties seeking City Brownfield Incentive Grants to carry insurance. For a cleanup grant, both the excavator and the trucking firm(s) that handle removal of soil must carry or be covered under a commercial general liability (CGL) policy that provides $1 million per claim in coverage. OER recommends that excavators and truckers also carry contractor's pollution liability (CPL) coverage, also providing $1 million per claim in coverage. The CGL policy, and the CPL policy if obtained, must name the City of New York, the NYC Economic Development Corporation, and Brownfield Redevelopment Solutions as additional insured. For an investigation grant, an environmental consultant must be a qualified vendor in the BIG program and carry

$1 million of professional liability (PL) coverage. A fact sheet regarding insurance is attached as **Appendix 5**.

11. Daily report will be provided during active excavation work. If no work is performed for extended time period, daily report frequency will be reduced to weekly basis. Daily report template is attached in **Appendix 6.**

12. Development plans are attached in **Appendix 7**.

13. A [20]-mil vapor barrier will be installed beneath the structure's slab and along foundation sidewalls. The barrier chosen for this project is manufactured by Grace Construction Products, Florprufe®, model number 120. **Appendix 8** provides manufactures specifications and PE/RA certified building plans with the extent of the vapor barrier installation details (penetrations, joints, etc.) with respect to the proposed foundation, footings, etc.

14. Truck route is included in **Appendix 9.**

15. The signed RIR certification page and stamped/signed RAWP certification page is included in **Appendix 10.**

Sincerely,

ROUX ASSOCIATES, INC.

Craig A. Werle, P.G.
Principal Hydrogeologist

Charles McGuckin, P.E.
Principal Engineer/
President, Remedial Engineering, P.C.

cc: E. Ilijevich, NYCOER

APPENDIX 1

Generic Procedures for Management of Underground Storage Tanks Identified under the NYC VCP

Prior to Tank removal, the following procedures should be followed:

- Remove all fluid to its lowest draw-off point.
- Drain and flush piping into the tank.
- Vacuum out the "tank bottom" consisting of water product and sludge.
- Dig down to the top of the tank and expose the upper half.
- Remove the fill tube and disconnect the fill, gauge, product, vent lines and pumps. Cap and plug open ends of lines.
- Temporarily plug all tank openings, complete the excavation, remove the tank and place it in a secure location.
- Render the tank safe and check the tank atmosphere to ensure that petroleum vapors have been satisfactorily purged from the tank.
- Clean tank or remove to storage yard for cleaning.
- If the tank is to be moved, it must be transported by licensed waste transporter. Plug and cap all holes prior to transport leaving a 1/8 inch vent hole located at the top of the tank during transport.
- After cleaning, the tank must be made acceptable for disposal at a scrap yard, cleaning the tanks interior with a high pressure rinse and cutting the tank in several pieces.

During the tank and pipe line removal, the following field observations should be made and recorded:

- A description and photographic documentation of the tank and pipe line condition (pitting, holes, staining, leak points, evidence of repairs, etc.).
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with a calibrated photoionization detector (PID).

Impacted Soil Excavation Methods

The excavation of the impacted soil will be performed following the removal of the existing tanks. Soil excavation will be performed in accordance with the procedures described under Section 5.5 of Draft DER-10 as follows:

- A description and photographic documentation of the excavation.
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with calibrated photoionization detector (PID).

Final excavation depth, length, and width will be determined in the field, and will depend on the horizontal and vertical extent of contaminated soils as identified through physical examination (PID response, odor, staining, etc.). Collection of verification samples will be performed to evaluate the success of the removal action as specified in this document.

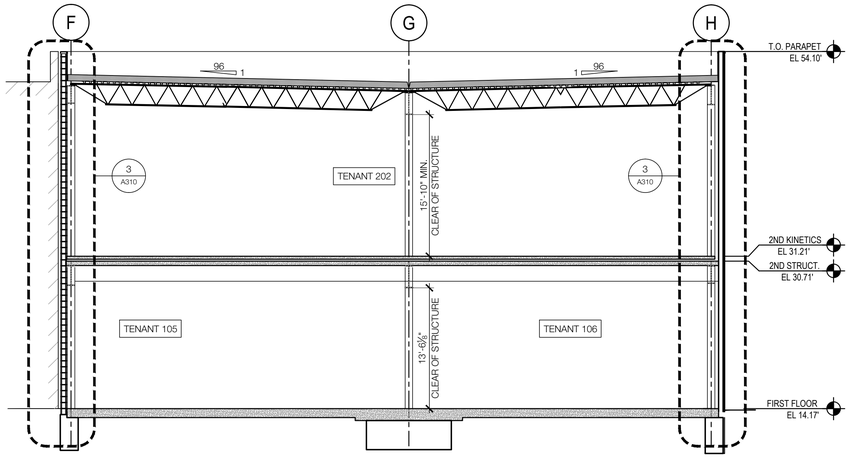
The following procedure will be used for the excavation of impacted soil (as necessary and appropriate):

- Wear appropriate health and safety equipment as outlined in the Health and Safety Plan.
- Prior to excavation, ensure that the area is clear of utility lines or other obstructions. Lay plastic sheeting on the ground next to the area to be excavated.
- Using a rubber-tired backhoe or track mounted excavator, remove overburden soils and stockpile, or dispose of, separate from the impacted soil.
- If additional UST's are discovered, the NYSDEC will be notified and the best course of action to remove the structure should be determined in the field. This may involve the continued trenching around the perimeter to minimize its disturbance.
- If physically contaminated soil is present (e.g., staining, odors, sheen, PID response, etc.) an attempt will be made to remove it, to the extent not limited by the site boundaries or the bedrock surface. If possible, physically impacted soil will be removed using the backhoe or excavator, segregated from clean soils and overburden, and staged on separated dedicated plastic sheeting or live loaded into trucks from the disposal facility. Removal of the impacted soils will continue until visibly clean material is encountered and monitoring instruments indicate that no contaminants are present.
- Excavated soils which are temporarily stockpiled on-site will be covered with tarp material while disposal options are determined. Tarp will be checked on a daily basis and replaced, repaired or adjusted as needed to provide full coverage. The sheeting will be shaped and secured in such a manner as to drain runoff and direct it toward the interior of the property.

Once the site representative and regulatory personnel are satisfied with the removal effort, verification of confirmatory samples will be collected from the excavation in accordance with DER-10.

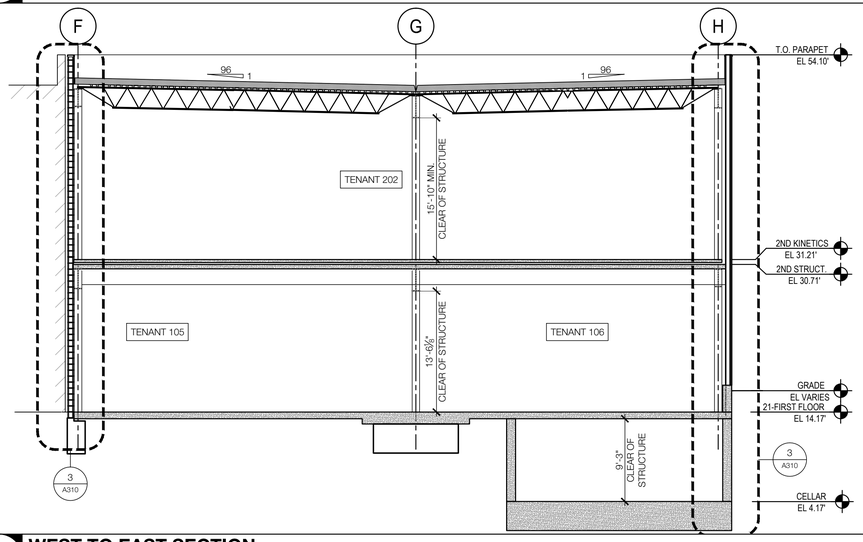
APPENDIX 2

Cross-Section of the Composite Site Cover



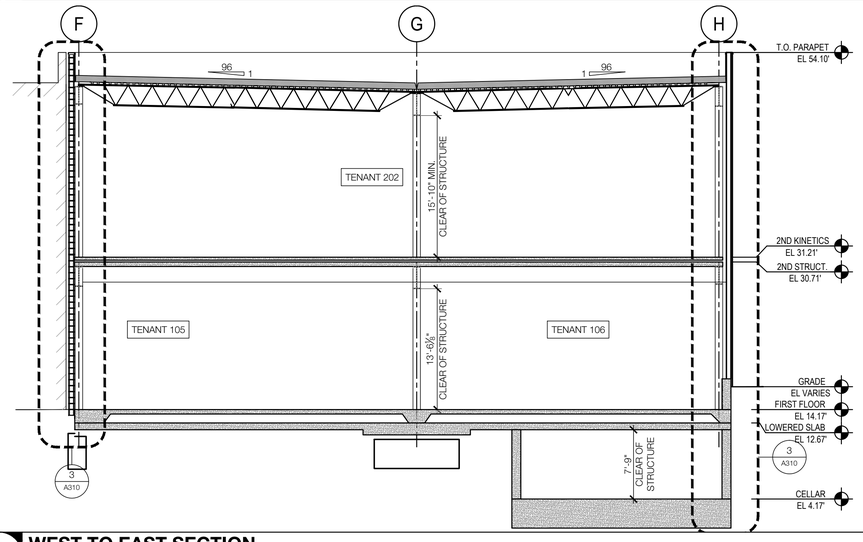
1 NORTH TO SOUTH SECTION

SCALE: 1/8" = 1'-0"



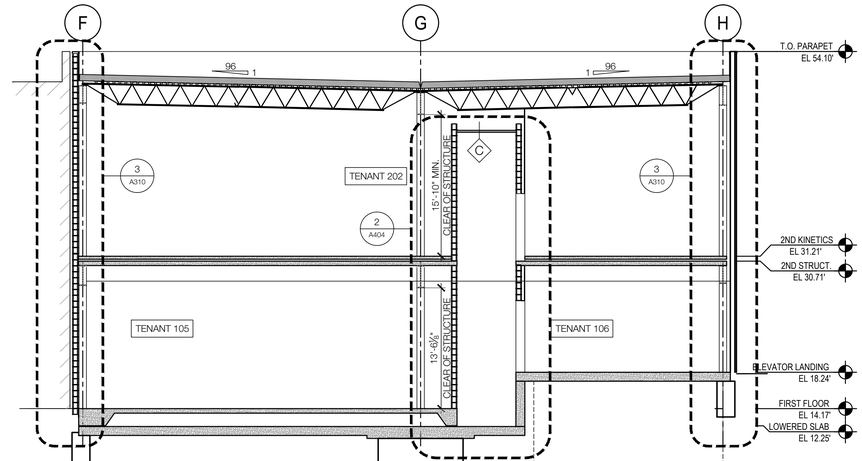
2 WEST TO EAST SECTION

SCALE: 1/8" = 1'-0"



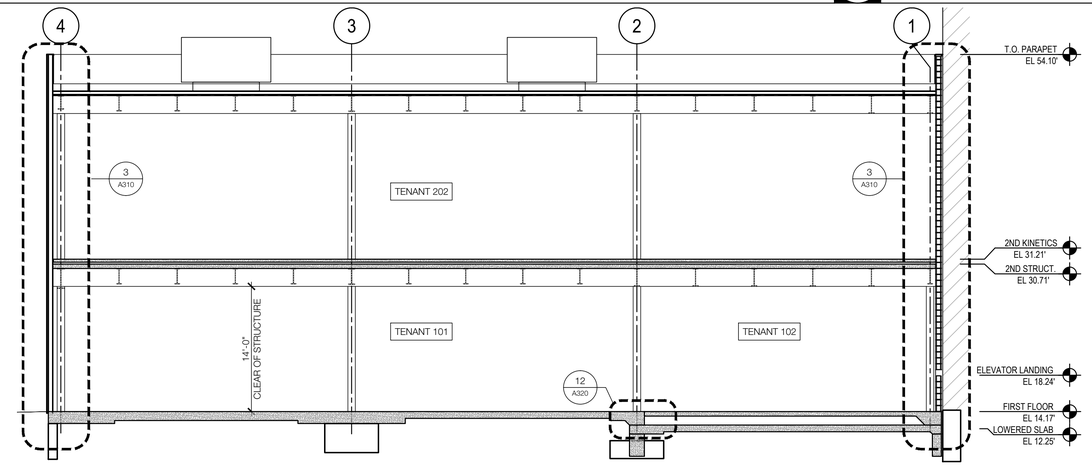
3 WEST TO EAST SECTION

SCALE: 1/8" = 1'-0"



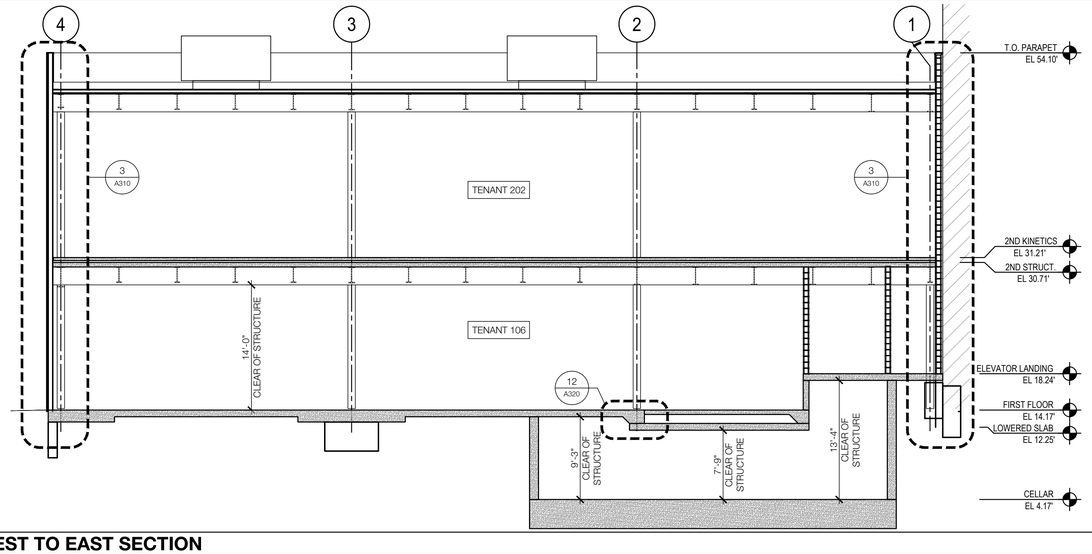
4 NORTH TO SOUTH SECTION

SCALE: 1/8" = 1'-0"



5 WEST TO EAST SECTION

SCALE: 1/8" = 1'-0"



6 WEST TO EAST SECTION

SCALE: 1/8" = 1'-0"

7

SCALE: 1/8" = 1'-0"

SBLM

Owner
Equity One
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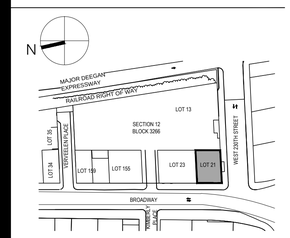
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues

02/12/2014	**ISSUED FOR FILING**
03/26/2014	**ISSUED FOR BID**



Seal
NOT FOR CONSTRUCTION

Project Title
LOT 21

BROADWAY PLAZA
5510 BROADWAY
BRONX, NY 10463

Drawing
BUILDING SECTIONS

Job Number **013160**

Seal & Signature

Drawn:	**RW**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**02/12/14**

Drawing No.
A300.00

FOR NYC-DOB USE

Sheet **16** *Of* 25

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APPENDIX 3

NYC VCP Signage

NYC Voluntary Cleanup Program

5510 Broadway

Site #: 13CVCP105X

This property is enrolled in the New York City Voluntary Cleanup Program for environmental remediation. This is a voluntary program administered by the NYC Office of Environmental Remediation.

For more information, log on to: www.nyc.gov/oer

Or scan with smart phone:

If you have questions or would like more information,

please contact:

Shaminder Chawla at (212) 442-3007

or email us at brownfields@cityhall.nyc.gov

APPENDIX 4

End-Point Sampling Map

LEGEND

Boundary of Equity One Site

Approximate basement boundary

Proposed post-excavation soil boring sample location

Hot spot excavation area (Approximately 10'x10'x15' deep)

0 40'

APPROXIMATE

Title:

PROPOSED POST-EXCAVATION SAMPLE LOCATIONS

5510/5530 BROADWAY
BRONX, NEW YORK 10463

REMEDIAL ACTION WORK PLAN

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 20MAY14	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	A4
Project Mgr.: W.M.	Project No.: 1924.0006Y	
File: 1924.0006Y106.02.CDR		

\1924Y\0006Y\106\1924.0006Y106.02.CDR

APPENDIX 5

BIG Program Insurance Fact Sheet

FACT SHEET – BIG PROGRAM INSURANCE REQUIREMENTS

Investigation Grants – for a developer or site owner to be eligible for a BIG investigation grant, its environmental consultant(s) must be:

- a Qualified Vendor in the BIG Program; and
- maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

Cleanup Grants – for a developer or site owner to be eligible for a BIG cleanup grant:

- Its general contractor or excavation/foundation contractor hired to perform remedial work must maintain Commercial General Liability (CGL) insurance of at least $1M per occurrence and $2M in the general aggregate. It is recommended that the general contractor or excavation/foundation contractor also maintain a Contractors Pollution Liability policy (CPL) of at least $1M per occurrence.

- Its subcontractors who are hired by the general contractor etc. to perform remedial work at a site, including soil brokers and truckers, must also maintain a CGL policy in the amount and with the terms set forth above. It is recommended that subcontractors also maintain a CPL policy in the amount and with the terms set forth above.

  The CGL policy, and the CPL policy if in force, must list the city, EDC and BRS as additional insureds, include completed operations coverage and be primary and non-contributory to any other insurance the additional insureds may have.

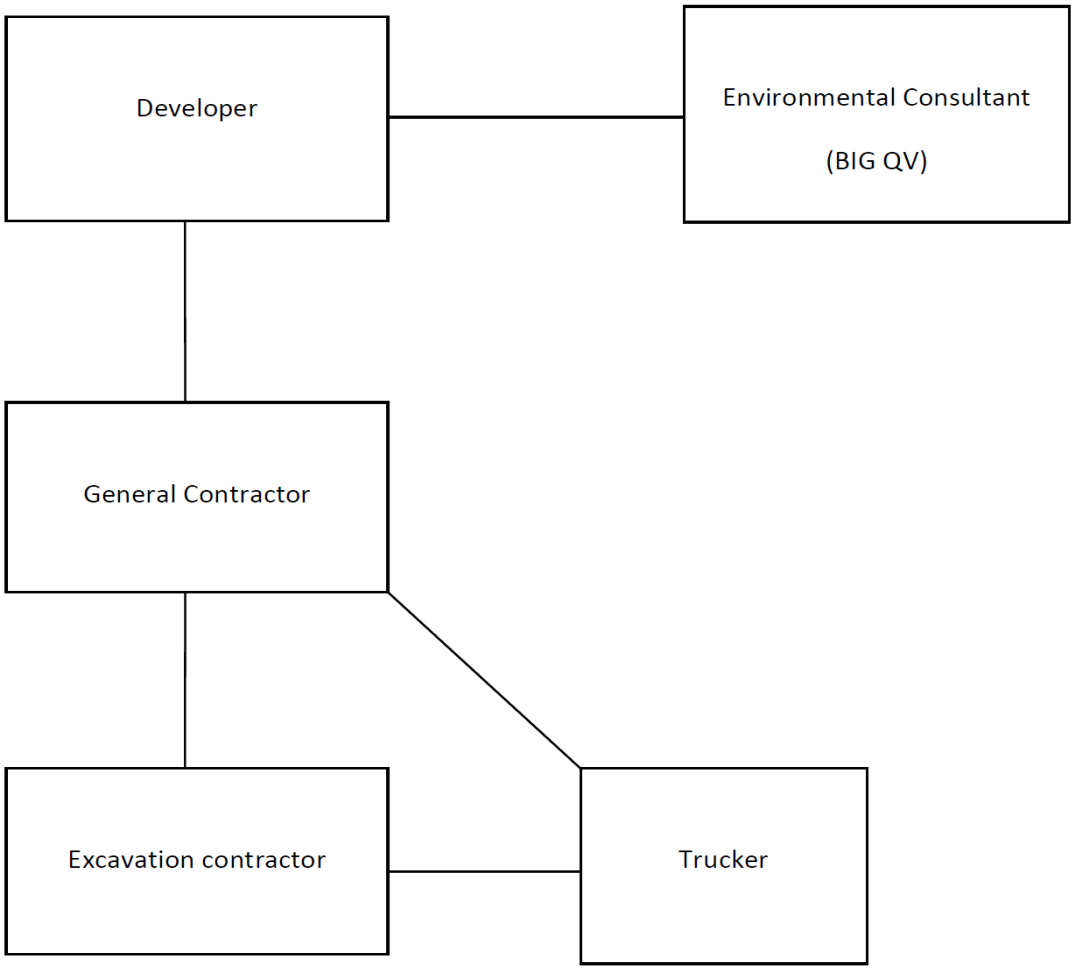
- Its environmental consultant(s) hired to oversee the cleanup must be:
  a. a BIG Qualifed Vendor; and
  b. maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

If, in the alternative, the developer hires its environmental consultant to perform the cleanup, the environmental consultant must maintain CGL insurance in the amount and with the terms set forth above. It is recommended that the environmental consultant also maintain CPL coverage in the amount and with the terms set forth in the first two bulleted items listed above.

A schematic presenting the contractual relationships described above appears on page 2. Parties who must be named as Additional Insureds on Cleanup Grant insurance policies (CGL and CPL) are presented on page 3.

Example of Contractual Relationships for Cleanup Work

The Office of Environmental Remediation's Voluntary Cleanup Plan program requires applicants to identify the parties who are engaged in active remediation of their sites including: the General Contractor hired to remediate and/or the excavation contractor hired to excavate soil from the site and the trucking firm(s) that remove soil from the site for disposal at approved facilit(ies).



The chart above shows contractual relationships that typically exist for projects that are enrolled in the Voluntary Cleanup Program.

BIG Program Additional Insureds

The full names and addresses of the additional insureds required under the Required CGL Policy and recommended CPL Policy are as follows:

"City and its officials and employees"
New York City Mayor's Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

"NYC EDC and its officials and employees"
New York City Economic Development Corporation
110 William Street
New York, NY 10038

"BIG Grant Administrator and its officials and employees"
Brownfield Redevelopment Solutions, Inc.
739 Stokes Road, Units A & B
Medford, NJ 08055

APPENDIX 6

Daily Report Template

planYC

NYC Office of Environmental Remediation

Daily Status Report Template

Version 1.3

Generic Template for Daily Status Report

Instructions

The Daily Status Report submitted to OER should adhere to the following conventions:

- Remove this cover sheet prior to editing.
- Remove all the red text and replace with site-specific information.
- Submit the final version as a Word or PDF file.

Daily Status Reports

Daily status reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

DAILY STATUS REPORT

Prepared By: Enter Your Name Here

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	13CVCP105X	E-Number Project No.:	13EHAZ381X	Date:	01/01/2014
Project Name:	5510 Broadway				

Consultant: Person(s) Name and Company Name	Safety Officer: Person(s) Name and Company Name
General Contractor: Person(s) Name and Company Name	Site Manager/ Supervisor: Person(s) Name and Company Name

Work Activities Performed (Since Last Report):

Provide details about the work activities performed.

Working In Grid #: A1, B1, C1

Samples Collected (Since Last Report):

No samples collected or provide details

Air Monitoring (Since Last Report): No air monitoring performed or provide details
Problems Encountered: No problems encountered or provide details
Planned Activities for the Next Day/ Week: Provide details about the work activities planned for the next day/ week.

Example:

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid		Facility # Name Location Type of Waste Solid *Or* Liquid		# # # # # # # Clean Earth Carteret, NJ petroleum soils Solid	
(Trucks, Cu.Yds. **<u>Or</u> Gallons)**	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds.

Today									5	120
Total									25	600

NYC Clean Soil Bank		Receiving Facility:				
Tracking No.:	13CCSB000	Name/ Address (Approved by OER)				
Today		Trucks 5	Cu. Yds. 25	Total	Trucks 120	Cu. Yds. 600

Site Grid Map

Insert the site grid map here

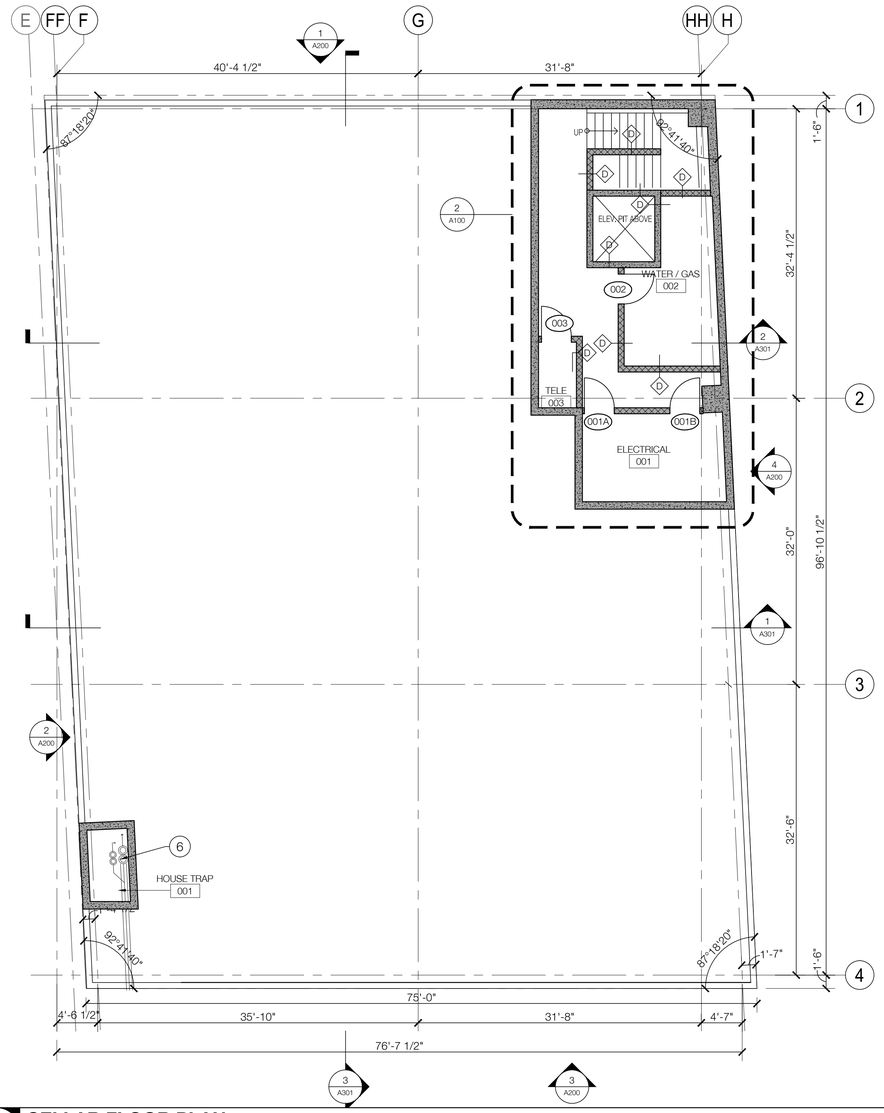
Photo Log

Photo 1 – provide a caption	Insert Photo Here – Photo of the entire site
Photo 2 – provide a caption	Insert Photo Here – Photo of the work activities performed

Photo 3 – provide a caption	Insert Photo Here – Photo of the work activities performed

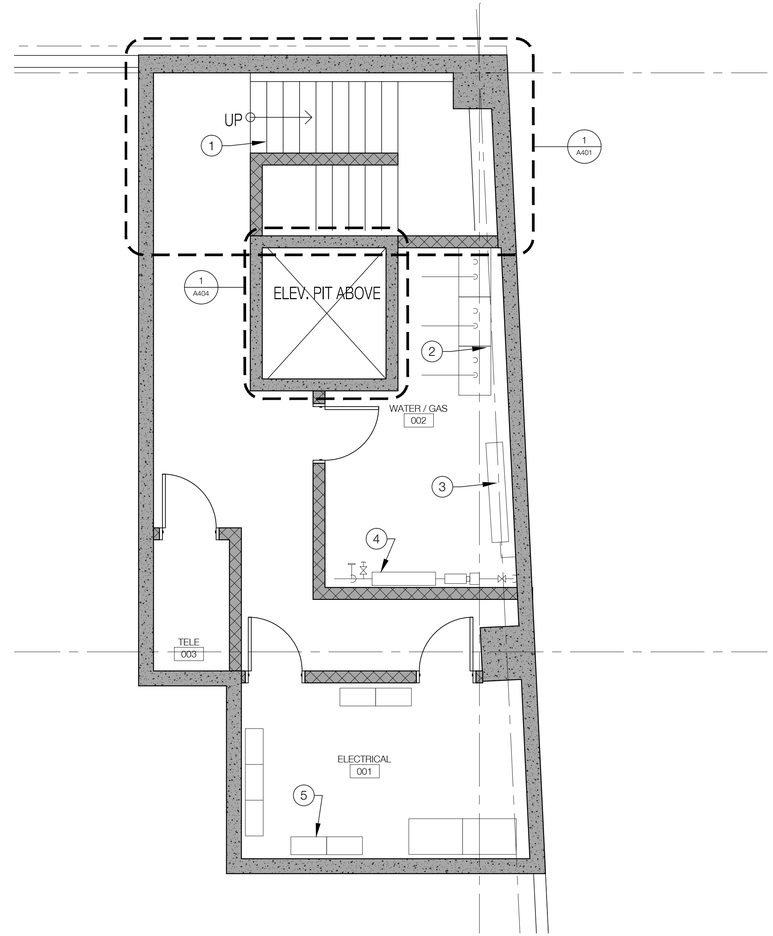
APPENDIX 7

Development Plans



1 CELLAR FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 CELLAR FLOOR DETAIL PLAN

SCALE: 1/4" = 1'-0"

3 PLAN KEYNOTES

SCALE: N.T.S.

1. METAL PAN STAIR W/ CONCRETE TREADS
2. GAS METERS. SEE MEP.
3. DOMESTIC WATER VALVES. SEE MEP.
4. FIRE WATER VALVES. SEE MEP.
5. ELECTRICAL PANELS. SEE MEP.
6. COMBINED SEWER TRAP. SEE MEP.

3 KEYNOTES

SCALE: N.T.S.

4 PLAN NOTES

SCALE: N.T.S.

1. ZONING ANALYSIS, REFER TO DWG. Z-001 & Z-002
2. BUILDING CODE REQUIREMENTS, REFER TO DWG. A-001
3. ADA ACCESSIBILITY DATA, REFER TO DWG. A-002
4. CELLAR LIFE SAFETY PLAN, REFER TO DWG. A-003
5. FIRST FLOOR LIFE SAFETY PLAN, REFER TO DWG. A-004
6. ARCHITECTURAL SITE PLAN, REFER TO DWG. A-010
7. CELLAR FLOOR PLAN, REFER TO DWG. A-100
8. FIRST FLOOR PLAN, REFER TO DWG. A-101
9. SECOND FLOOR PLAN, REFER TO DWG. A-102
10. ROOF PLAN, REFER TO DWG. A-104
11. CELLAR SLAB PLAN, REFER TO DWG. A-110
12. FIRST FLOOR SLAB PLAN, REFER TO DWG. A-111
13. SECOND FLOOR SLAB PLAN, REFER TO DWG. A-112
14. ROOF SLAB PLAN, REFER TO DWG. A-114
15. REFLECTED CEILING PLANS, SEE TO DWGS. A120-A122
16. BUILDING ELEVATIONS, REFER TO DWG. A-200
17. BUILDING SECTIONS, REFER TO DWG. A-300
18. EXTERIOR WALL SECTIONS, REFER TO DWG. A-310, A-311
19. FOUNDATION WATERPROOFING, REFER TO DWG. A-320
20. ENLARGED PLAN DETAILS, REFER TO DWG. A-340, A-341
21. ENLARGED STAIR PLANS, REFER TO A-400, A-401, A-402
22. ENLARGED ELEVATOR PLANS, REFER TO DWG. A-410
23. PARTITION TYPES, REFER TO DWG. A-500
24. DOOR SCHEDULE AND DETAILS, REFER TO DWG. A-600
25. STOREFRONT SCHEDULES, REFER TO DWG. A-601

5 PLAN LEGEND

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	CMU PARTITION
	CONCRETE PARTITION
	GYP. BD. PARTITION
	EXTERIOR PARTITION
	DOOR
1	KEY NOTE
	NOT IN CONTRACT (N.I.C.)
	ELECTRICAL PANEL
FE	FIRE EXTINGUISHER ON BRACKET
#	DOOR TYPE. SEE A-601
#	PARTITION TYPE. SEE A-500
SFXX	STORE FRONT / LOUVER , SEE A-601.00
	ALIGN

SBLM

Owner
Equity One

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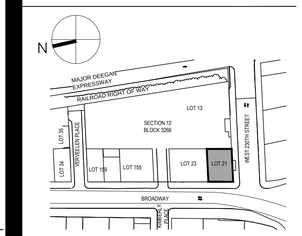
Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues



Seal

Project Title
LOT 21

BROADWAY PLAZA
5510 BROADWAY
BRONX, NY 10463

Drawing
CELLAR PLAN

Job Number **013160**

Seal & Signature

Drawn:	**TC**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.

A100.00

FOR NYC DOB USE

Sheet *Of*

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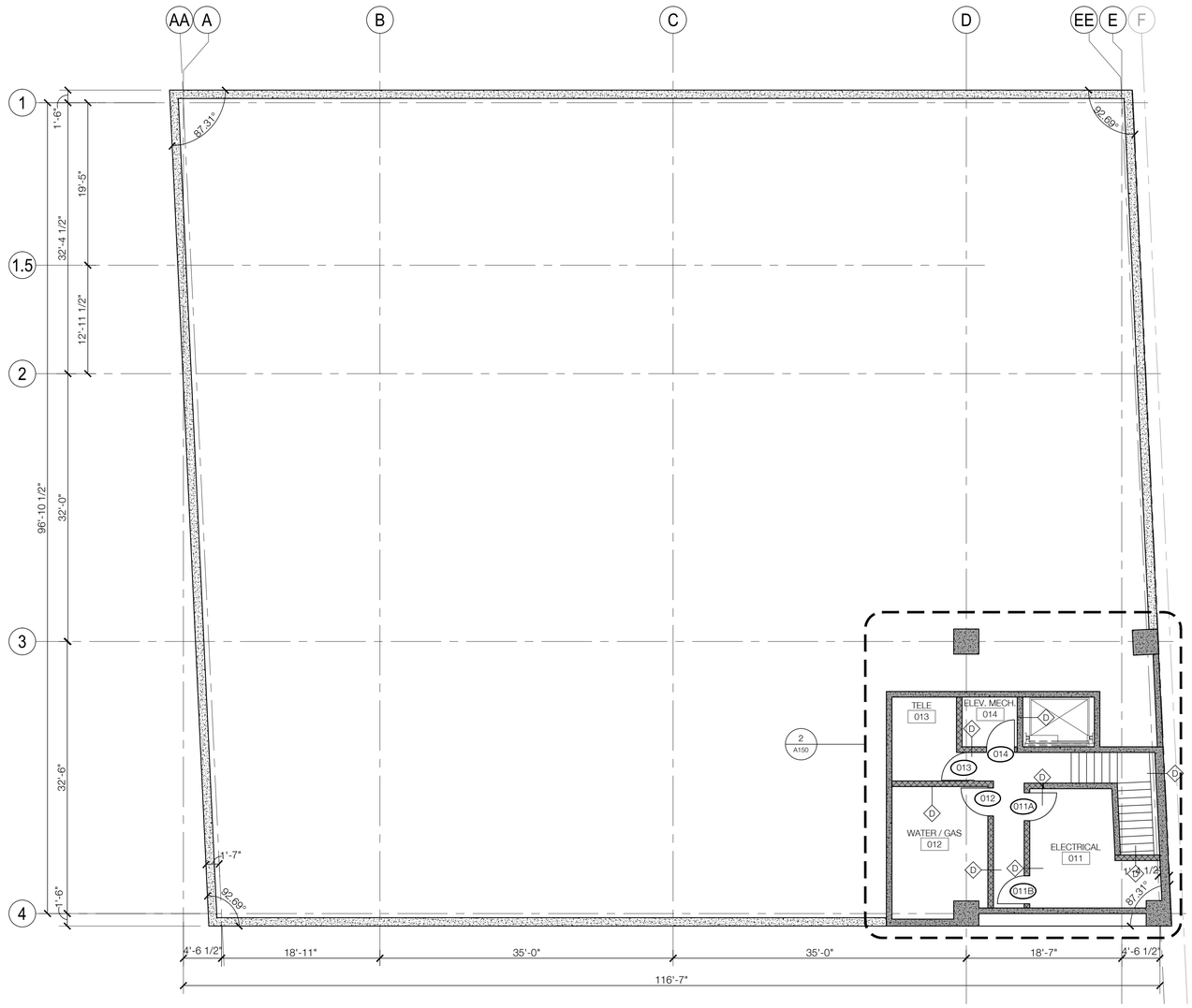
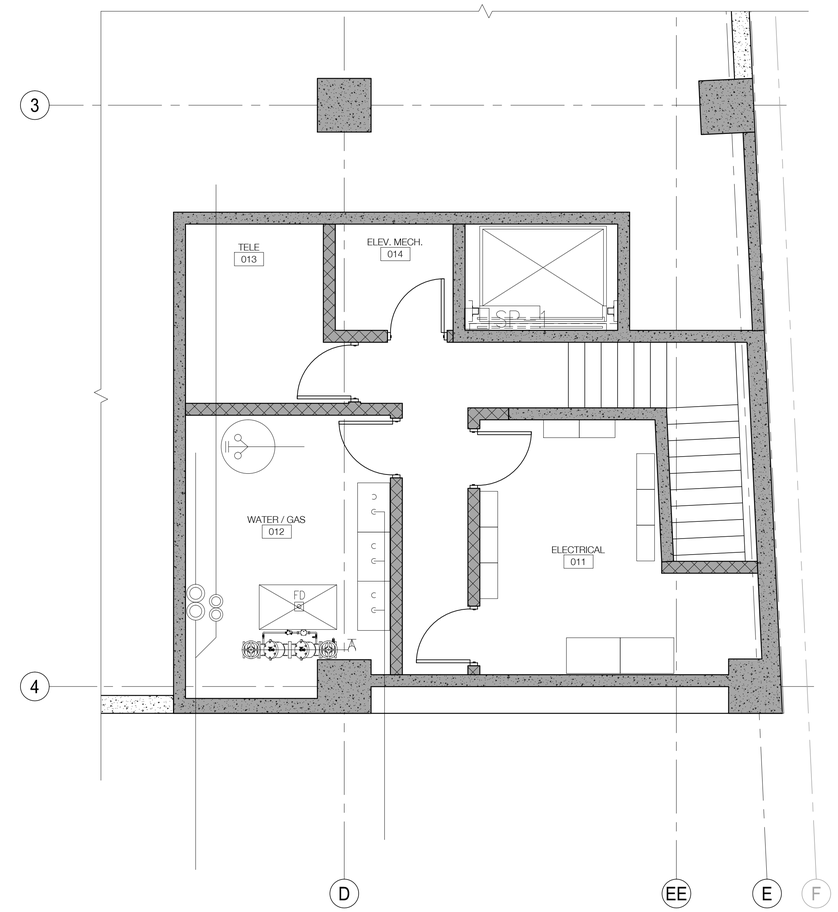


1 CELLAR PLAN

SCALE: 1/8" = 1'-0"



2 CELLAR DETAIL PLAN

SCALE: 1/4" = 1'-0"

3 PLAN KEYNOTES

SCALE: N.T.S.

1. ZONING ANALYSIS AND SIGNAGE, REFER TO DWG. Z-001 & Z-002
2. BUILDING CODE REQUIREMENTS, REFER TO DWG. A-001
3. ADA ACCESSIBILITY DATA, REFER TO DWG. A-002
4. CELLAR LIFE SAFETY PLAN, REFER TO DWG. A-003
5. FIRST FLOOR LIFE SAFETY PLAN, REFER TO DWG. A-004
6. ARCHITECTURAL SITE PLAN, REFER TO DWG. A-010
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13. SECOND FLOOR SLAB PLAN, REFER TO DWG. A-112
14. ROOF SLAB PLAN, REFER TO DWG. A-114
15. REFLECTED CEILING PLANS, REFER TO DWGS. A-120, A-121, A-122
16. BUILDING ELEVATIONS, REFER TO DWG. A-200
17. BUILDING SECTIONS, REFER TO DWG. A-300
18. EXTERIOR WALL SECTIONS, REFER TO DWG. A-310, A-311
19. FOUNDATION WATERPROOFING, REFER TO DWG. A-320
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21. ENLARGED STAIR PLANS, REFER TO A-400, A-401, A-402
22. ENLARGED ELEVATOR PLANS, REFER TO DWG. A-410
23. PARTITION TYPES, REFER TO DWG. A-500
24. DOOR SCHEDULE AND DETAILS, REFER TO DWG. A-600
25. STOREFRONT SCHEDULES, REFER TO DWG. A-601

4 PLAN NOTES

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	CMU PARTITION
	CONCRETE PARTITION
	GYP. BD. PARTITION
	EXTERIOR PARTITION
	DOOR
1	KEY NOTE
	NOT IN CONTRACT (N.I.C.)
	ELECTRICAL PANEL
FE	FIRE EXTINGUISHER ON BRACKET
#	DOOR TYPE. SEE A-650
#	PARTITION TYPE. SEE A-550
SFXX	STORE FRONT / LOUVER , SEE A-651.00
	ALIGN

5 PLAN LEGEND

SCALE: N.T.S.

SBLM

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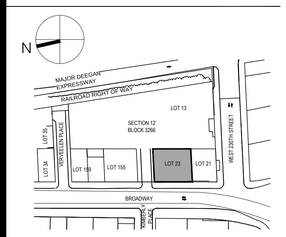

Seal

Project Title
LOT 23

BROADWAY PLAZA
5530 BROADWAY
BRONX, NY 10463

Drawing
CELLAR PLAN

Job Number **013160**

Seal & Signature

Drawn:	**TC**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.
A150.00

FOR NYC DOB USE

Sheet *Of*

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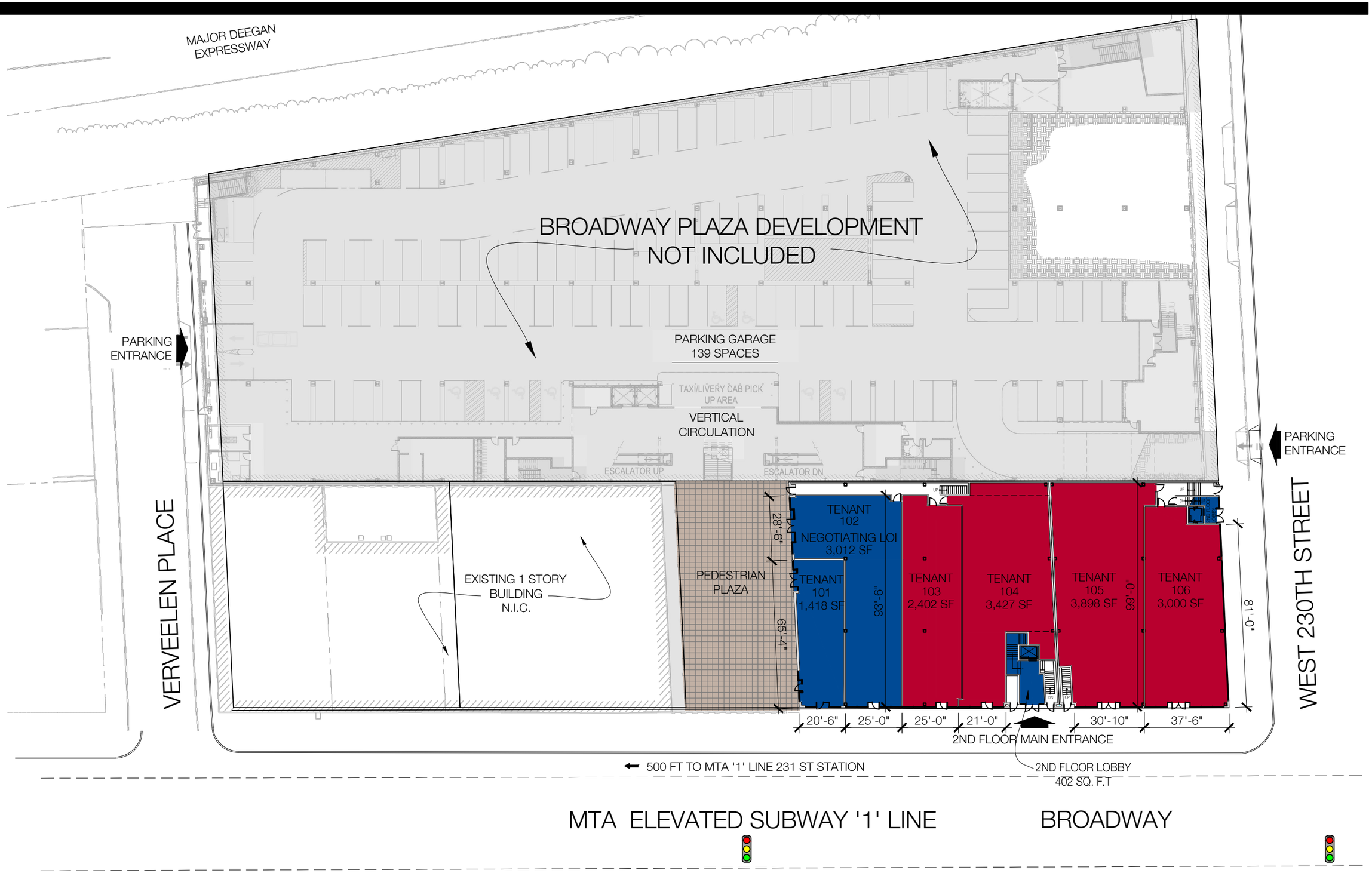

SBLM

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Architect
SBLM Architects
151 West 26th Street
New York, New York 10001
Telephone 212 995 5600
Fax 212 675 4228

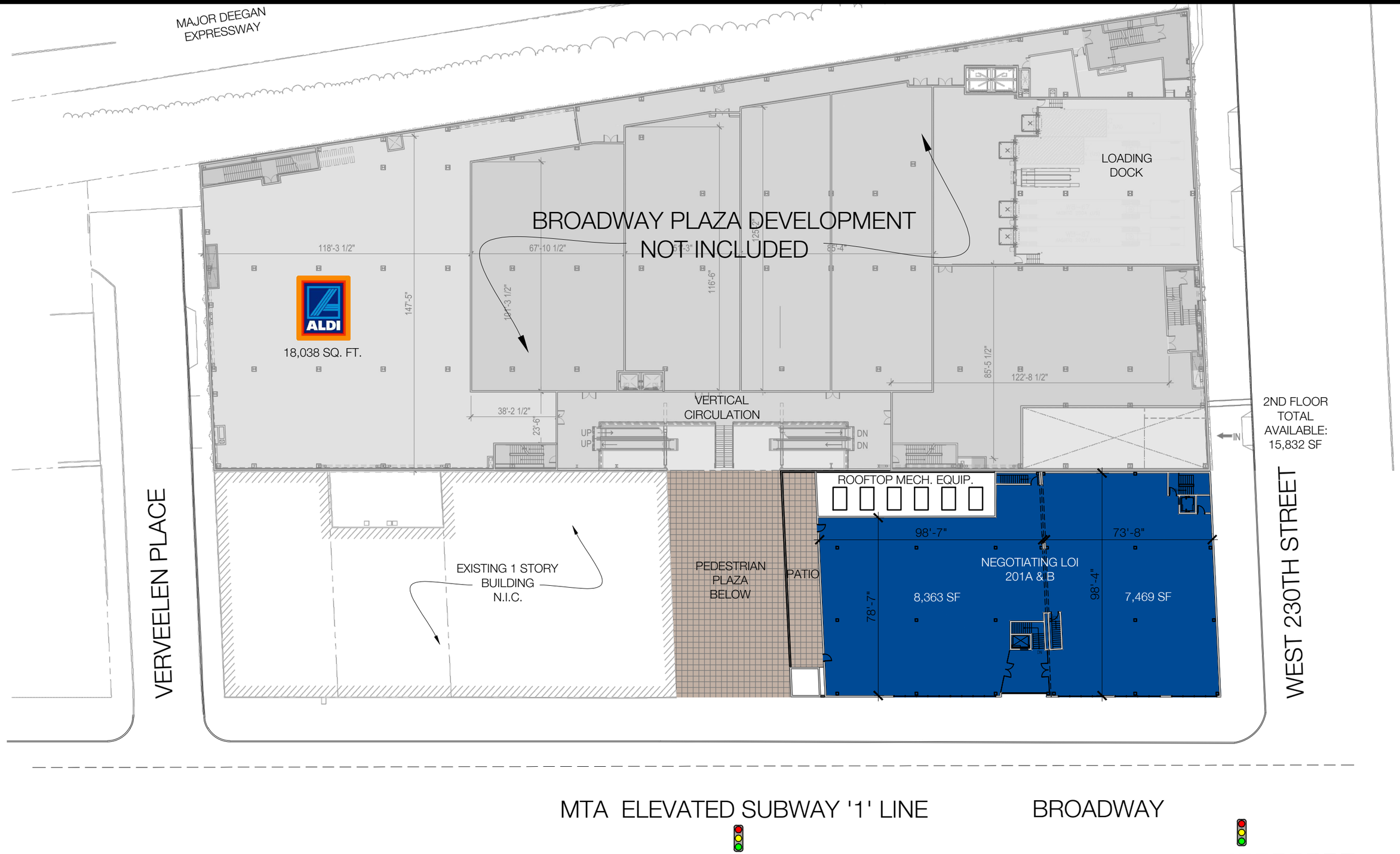
Project Title
5510-5530 Broadway
Bronx, New York

DATE
January 23, 2014

1ST FLOOR

0 20' 40' 80'

SCALE: 1" = 40'-0"



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Architect
SBLM Architects
151 West 26th Street
New York, New York 10001
Telephone 212 995 5600
Fax 212 675 4228

Project Title
5510-5530 Broadway
Bronx, New York

DATE
January 23, 2014

2ND FLOOR

0 20' 40' 80'

SCALE: 1" = 40'-0"

APPENDIX 8

Vapor Barrier Specifications

web www.graceconstruction.com
■PRODUCT DATA ■UPDATES ■TECH LETTERS ■DETAILS ■MSDS ■CONTACTS ■FAQS

Florprufe™ 120

Integrally bonded vapor protection for slabs on grade

Description

Florprufe™ 120 is a high performance vapor barrier with Grace's Advanced Bond Technology™ that forms a unique seal to the underside of concrete floor slabs.

Comprising a highly durable polyolefin sheet and a specially developed, non-tacky adhesive coating, Florprufe 120 seals to liquid concrete to provide integrally bonded vapor protection.

Florprufe exceeds ASTM E1745 Class A rating.

Advantages

- Forms a powerful integral seal to the underside of concrete slabs
- Protects valuable floor finishes such as wood, tiles, carpet and resilient flooring from damage by vapor transmission
- Direct contact with the slab complies with the latest industry recommendations
- Remains sealed to the slab even in cases of ground settlement
- Ultra low vapor permeability
- Durable, chemical resistant polyolefin sheet
- Lightweight, easy to apply, kick out rolls
- Simple lap forming with mechanical fixings or tape

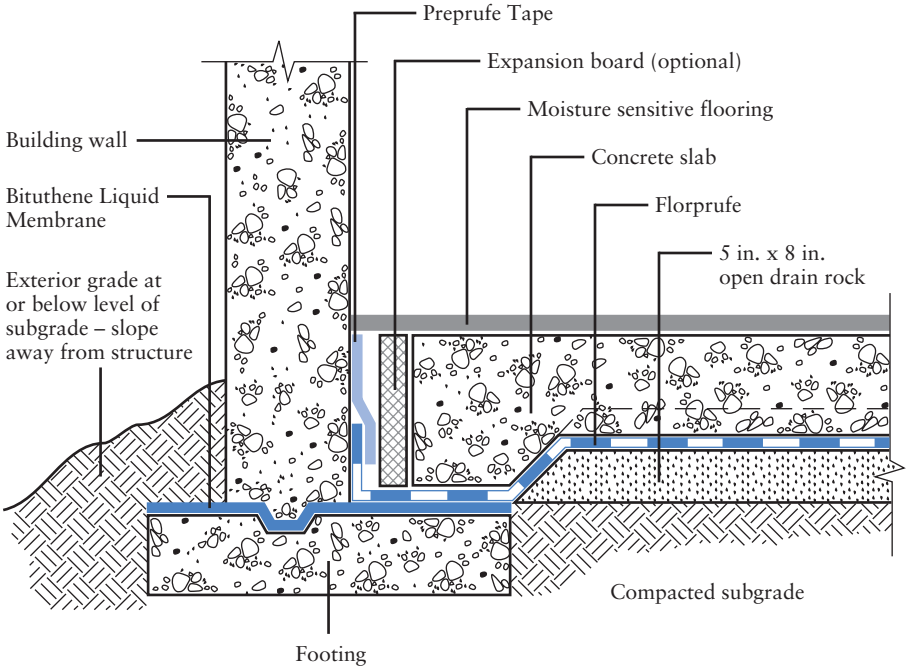
Use

Florprufe 120 is engineered for use below slabs on grade with moisture-impermeable or moisture-sensitive floor finishes that require the highest level of vapor protection.

Florprufe complies with the latest recommendations of ACI Committees 302 and 360, i.e. for slabs with vapor sensitive coverings, the location of the vapor barrier should always be in direct contact with the slab[1].

The membrane is loose laid onto the prepared sub-base, forming overlaps that can be either mechanically secured or taped. The unique bond of Florprufe to concrete provides continuity of vapor protection at laps. Alternatively, if a taped system is preferred, self-adhered Preprufe® Tape can be used to overband the laps.

Slab reinforcement and concrete can be placed immediately. Once the concrete is poured, an integral bond develops between the concrete and membrane.



Typical Assembly

[1] ACI 302.1R-96 Addendum

GRACE Construction Products

Supply

Florprufe 120

Supplied in rolls	1.2 m x 35 m (4 ft x 115 ft)
Roll area	42 m^2 (460 ft^2)
Roll weight	37 kg (81 lbs) approx.

Ancillary Products

Preprufe Tape is packaged in cartons containing 4 rolls that are 100 mm x 15 m (4 in. x 49 ft).
Bituthene Liquid Membrane is supplied in 5.7 L (1.5 gal) pails.

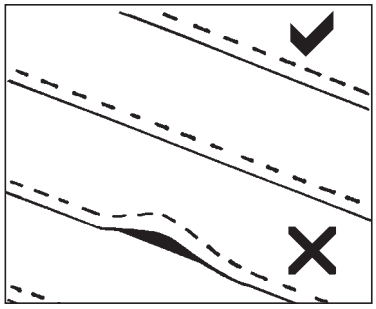


Figure 1

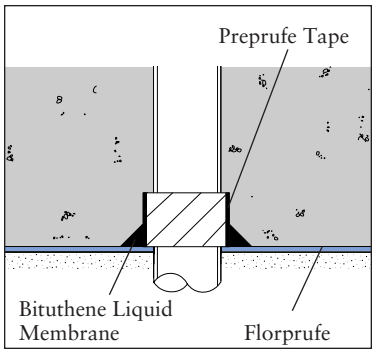


Figure 2

Physical Properties: Exceeds ASTM E1745 Class A rating

Property	Typical Value	Test Method
Color	White	
Thickness (nominal)	0.5 mm (0.021 in.)	ASTM D3767 – Method A
Water Vapor Permeance	0.03 perms	ASTM E96 – Method B[1]
Tensile Strength	68 lbs/in.	ASTM E154[1]
Elongation	300%	ASTM D412
Puncture Resistance	3300 gms	ASTM D1709[1]
Peel Adhesion to Concrete	>4 lbs/in.	ASTM D903

1. Test methods that comprise ASTM E1745 standard for vapor retarders

Installation

Health & Safety

Refer to relevant Material Safety Data Sheet. Complete rolls should be handled by 2 persons.

Florprufe 120 can be applied at temperatures of -4°C (25°F) or above. Membrane installation is unaffected by wet weather. Installation and detailing of Florprufe 120 are generally in accordance with ASTM E1643-98.

Prepare substrate in accordance with ACI 302.1R Section 4.1. Install Florprufe 120 over the leveled and compacted base. Place the membrane with the smooth side down and the plastic liner side up facing towards the concrete slab. Remove and discard plastic liner. End laps should be staggered to avoid a build up of layers.

Succeeding sheets should be accurately positioned to overlap the previous sheet 50 mm (2 in.) along the marked lap line.

Laps

1. **Mechanical fastening method –** To prevent the membrane from moving and gaps opening, the laps should be fastened together at 1.0 m (39 in.) maximum centers. Fix through the center of the lap area using 12 mm (0.5 in.) long washer-head, self-tapping, galvanized screws (or similar) and allowing the head of the screw to bed into the adhesive compound to self-seal. It is not necessary to fix the membrane to the substrate, only to itself. **Ensure the membrane lays flat and no openings occur.** (See Figure 1.) Additional fastening may be required at corners, details, etc. Continuity is achieved once the slab is poured and the bond to concrete develops.

   OR

2. **Taped lap method –** For additional security use Grace Preprufe Tape to secure and seal the overlaps. Overband the lap with the 100 mm (4 in.) wide Preprufe Tape, using the lap line for alignment. Remove plastic release liner to ensure bond to concrete.

Penetrations

Mix and apply Bituthene Liquid Membrane detailing compound to seal around penetrations such as drainage pipes, etc. (See Figure 2 and refer to the Bituthene Liquid Membrane data sheet, BIT-230.)

Concrete Placement

Place concrete within 30 days. Inspect membrane and repair any damage with patches of Preprufe Tape. Ensure all liner is removed from membrane and tape before concreting.

For Technical Assistance call toll free at 866-333-3SBM (3726).

Visit our web site at www.graceconstruction.com

printed on recycled paper

W. R. Grace & Co.-Conn. 62 Whittemore Avenue Cambridge, MA 02140

Florprufe is a trademark and Preprufe is a registered trademark of W. R. Grace & Co.-Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.-Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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GRACE Construction Products

VAPORBLOCK® PLUS™ VBP20

Under-Slab Vapor / Gas Barrier

RAVEN INDUSTRIES

Product Description

VaporBlock® Plus™ 20 is a seven-layer co-extruded barrier made from state-of-the-art polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission. VaporBlock® Plus™ 20 is a highly resilient underslab / vertical wall barrier designed to restrict naturally occurring gases such as radon and/or methane from migrating through the ground and concrete slab. VaporBlock® Plus™ 20 is more than 100 times less permeable than typical high-performance polyethylene vapor retarders against Methane, Radon and other harmful VOCs.

VaporBlock® Plus™ 20 is one of the most effective underslab gas barriers in the building industry today far exceeding ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B and C requirements. Available in a 20 (Class A) mil thicknesses designed to meet the most stringent requirements. VaporBlock® Plus™ 20 is produced within the strict guidelines of our ISO 9001:2008 Certified Management System.

Product Use

VaporBlock® Plus™ 20 resists gas and moisture migration into the building envelop when properly installed to provide protection from toxic/harmful chemicals. It can be installed as part of a passive or active control system extending across the entire building including floors, walls and crawl spaces. When installed as a passive system it is recommended to also include a ventilated system with sump(s) that could be converted to an active control system with properly designed ventilation fans.

VaporBlock® Plus™ 20 works to protect your flooring and other moisture-sensitive furnishings in the building's interior from moisture and water vapor migration, greatly reducing condensation, mold and degradation.

Size & Packaging

VaporBlock® Plus™ 20 is available in 10' x 150' rolls to maximize coverage. All rolls are folded on heavy-duty cores for ease in handling and installation. Other custom sizes with factory welded seams are available based on minimum volume requirements. Installation instructions and ASTM E-1745 classifications accompany each roll.

Under-Slab Vapor/Gas Retarder

Product	Part #
VaporBlock Plus 20	VBP 20

APPLICATIONS

- Radon Barrier
- Methane Barrier
- VOC Barrier
- Under-Slab Vapor Retarder
- Foundation Wall Vapor Retarder

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

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VAPORBLOCK® PLUS™ VBP20

Under-Slab Vapor / Gas Barrier

ISO 9001:2008
CERTIFIED MANAGEMENT SYSTEM

		VAPORBLOCK PLUS 20	
PROPERTIES	**TEST METHOD**	**IMPERIAL**	**METRIC**
APPEARANCE		White/Gold	
THICKNESS, NOMINAL		20 mil	0.51 mm
WEIGHT		102 lbs/MSF	498 g/m²
CLASSIFICATION	ASTM E 1745	CLASS A, B & C	
TENSILE STRENGTH LBF/IN (N/CM) AVERAGE MD & TD (NEW MATERIAL)	ASTM E 154 Section 9 (D-882)	58 lbf	102 N
IMPACT RESISTANCE	ASTM D 1709	2600 g	
MAXIMUM USE TEMPERATURE		180° F	82° C
MINIMUM USE TEMPERATURE		-70° F	-57° C
PERMEANCE (NEW MATERIAL)	ASTM E 154 Section 7 ASTM E 96 Procedure B	0.0098 Perms grains/(ft²·hr·in·Hg)	0.0064 Perms g/(24hr·m²·mm Hg)
(AFTER CONDITIONING) PERMS (SAME MEASUREMENT AS ABOVE PERMEANCE)	ASTM E 154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0079 0.0079 0.0097 0.0113	0.0052 0.0052 0.0064 0.0074
WVTR	ASTM E 96 Procedure B	0.0040 grains/hr-ft²	0.0028 gm/hr-m²
RADON DIFFUSION COEFFIECIENT	K124/02/95	< 1.1 x 10^{-13} m²/s	
METHANE PERMEANCE	ASTM D 1434	< 1.7 x 10^{-10} m²/d• atm 0.32 GTR (Gas Transmission Rate) ml/m²•D•ATM	

VaporBlock® Plus™ Placement

All instructions on architectural or structural drawings should be reviewed and followed.
Detailed installation instructions accompany each roll of VaporBlock® Plus™ and can also be located on our website.
ASTM E-1643 also provides general installation information for vapor retarders.

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

VaporBlock® Plus™ is a seven-layer co-extruded barrier made using high quality virgin-grade polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com

RAVEN INDUSTRIES

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Toll Free: **800-635-3456**
Email: **efdsales@ravenind.com**
www.ravenefd.com
1/11 EFD 1125

Scan QR Code to download current technical data sheets via the Raven website.

Engineered Films

RAVEN INDUSTRIES

Welcome to the Engineered Films Division of Raven Industries

Over the past 55 years, Raven Industries has established a well-known reputation for manufacturing and supplying high performance flexible films and sheeting to major markets throughout the United States and abroad. Our modern 300,000 square foot facility contains state-of-the-art equipment including blown and cast film and sheeting, lamination and conversion capabilities in addition to a large accredited laboratory and development facility.

You can draw on our years of experience gained from producing millions of pounds of polyolefins each year. Extensive engineering and R&D efforts are focused on custom solutions to meet your requirements through design and development within our new Technical Solutions Center. Our manufacturing ability is what sets us apart from the competition by offering some of the most diversified capabilities in the industry as well as our high standards for one-on-one customer service. We believe by thoroughly listening to our customers we can develop a solution that does precisely what they require. Our products are produced in a quality controlled environment under an ISO 9001:2008 certified management system to assure we achieve complete customer satisfaction and continuous improvement in all phases of our business.

We have a broad range of proven products from ultra-thin precise films to heavy fiber reinforced film and sheeting. Whether you need high quality packaging film, barrier film and sheeting, high-strength construction films or just a highly puncture-resistant geomembrane liner, we can engineer a product for your toughest demands. Our experience in designing quality film and sheeting has enabled us to offer a variety of products; each formulated to meet our customer's individual film requirements in addition to our standard product line.

Please review the following outline of our manufacturing capabilities and feel free to contact us with any questions or custom quote needs.

Blown Film Capabilities:

- Mono-Layer up to 7-Layer Blown Films
- Single Wound Sheeting up to 130" Wide
- Multi-Layer Film from 0.25 mil up to 40 mil Thick
- Capable of Processing a Wide Range of Resins
- Small Consumer Rolls
- Large Mill Rolls up to 50" Diameter
- Corona Treating & Printing
- Seamless Gusseted Widths up to 40' Wide

Lamination/Coating Capabilities:

- Lamination and Coating Up to 108" Wide
- 3 mil to 45 mil Fiber Reinforced Film & Sheeting
- Film to Fabric Configurations
- Wide Range of Reinforcement Options
- Extrusion Lamination
- Textured Surfaces

Converting Capabilities:

- Extrusion, Hot Air & Hot Wedge Welding
- Slitting and Re-Rolling
- 2-Color Print up to 120" Wide Web (100" Wide Print)
- Corona Treating
- Continuous Micro Perforation
- Factory Welded Panels up to 6,000 lbs

Raw Materials Processed:

- Low Density Polyethylene
- Lineal Low Density Polyethylene
- Medium Density Polyethylene
- High Density Polyethylene
- Polypropylene
- Metallocene
- Ionomer
- Nylon
- EVOH
- EVA
- TPO
- TPU
- Wide Range of Additives
- Stock or Special Order Colorants

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PRODUCT DESCRIPTION	PART NUMBER	COLOR	NOM. MIL THICKNESS	COMMON APPLICATIONS	ADVANTAGES (BENEFITS)	ROLL WIDTH RANGE	PRODUCT TYPE	BASIC ADDITIVES	APPROX. EXPOSED LONGEVITY
ABSOLUTE BARRIER EB25	EB25BS	B	25	2,7,21,23,26	1,2,3,5,6,8,12	6	9	1	12 yr.
CANVEX CB12WB	CB12WB	W/B	12	1,2,4,5,6,8,11,12,14,15	1,2,4,5,7,8	4,5	5	1,3,5	2 yr.
CONKURE X80W	X80W	W	17	27	1,2,4,6,7	6	12	1,5	**3 mo.
DURA-SKRIM 2	R5CC	C	6	9,10,13,20,24	1,2,5,6,7,8	4	4	1	4 mo.
DURA-SKRIM 2FR	R5CCF	N	6	9,10,13,20,22,24	1,2,5,6,7,8,9	4	4	2	3 mo.
DURA-SKRIM 6WW	R6WWK	W/W	6	1,2,8,9,10,13,15,22,24	1,2,4,5,6,7,8	5	4	1,5	1 yr.
DURA-SKRIM 6WB	R6WB	W/B	6	1,2,4,8,9,10,12,13,15,20,22,24	1,2,4,5,6,7,8	5	4	1,3,5	1 yr.
DURA-SKRIM 6BB	R6BB	B/B	6	1,2,4,6,8,15,21	1,2,4,5,6,7,8	5	4	3	1 yr.
DURA-SKRIM J6WB	J6WBA	W/B	6	1,2,4,8,9,10,12,13,15,16,20,22,24	1,2,4,5,6,7,8	5	4	1,3,5	1 yr.
DURA-SKRIM J6WHD	J6WHDA	W/W	6	1,2,8,9,10,13,15,22,24	1,2,4,5,6,7,8	5	4	1,5	1 yr.
DURA-SKRIM 8WB	R8WBK	W/B	8	1,2,4,5,6,8,11,12,13,14,21,22	1,2,4,5,6,7,8	5	4	1,3,5	1 yr.
DURA-SKRIM 8BB	R8BBR	B/B	8	1,2,4,6,8,11,12,13,15,21	1,2,4,5,6,7,8	5	4	3	1 yr.
DURA-SKRIM 8BV	R8BV	B/B	8	1,2,4,6,8,11,12,13,15	1,2,4,5,6,7,8	5	4	1,3	5 yr.
DURA-SKRIM 10FR	R10CCF	N	10	8,9,20,21,22,24	1,2,5,6,7,8,9	3	4	2	6 mo.
DURA-SKRIM 10HUV	R10CCU	C	10	2,4,8,9,10,11,13,20,22,24	1,2,5,6,7,8	5	4	1	1 yr.
DURA-SKRIM 12WB	R12WBK	W/B	12	1,2,3,4,5,6,8,11,14,15,21	1,2,5,6,7,8	5	4	1,3,5	2 yr.
DURA-SKRIM 12BV	R12BV	B/B	12	1,2,3,4,5,6,8	1,2,5,6,7,8	5	4	3	5 yr.
DURA-SKRIM R20BDV	R20BDV	B/D	20	1,2,3,5,6,8,11,12,17,21	1,2,5,6,8	4,5	4	1	5 yr.
DURA-SKRIM R20WW	R20WWK	W/W	20	1,2,3,5,6,11,12,17,21	1,2,5,6,8	4,5	4	1,5	5 yr.
DURA-SKRIM K30	K30B	B/B	30	2,3,6,7,17,19,29,30	1,2,5,6,8	4,5	4	1,3	20 yr.
DURA-SKRIM K36	K36B	B/B	36	2,3,6,7,17,19,29,30	1,2,5,6,8	4,5	4	1,3	20 yr.
DURA-SKRIM K45	K45B	B/B	45	2,3,6,7,17,19,29,30	1,2,5,6,8	4,5	4	1,3	20 yr.
DURA-SKRIM KQ36	KQ36B	B/B	36	2,3,6,7,17,19,29,30	1,2,5,6,8,11	4,5	13	1,3	15 yr.
DURA-SKRIM KQ45	KQ45B	B/B	45	2,3,6,7,17,19,29,30	1,2,5,6,8,11	4,5	13	1,3	20 yr.
DURA-SKRIM K-Series BT1	K36BT1,K45BT1	B/B	36 & 45	2,3,4,6,7,17,19,29,30	1,2,5,6,8,13	4,5	14	1,3	20 yr.
DURA-SKRIM K-Series BT2	K40BT2,K45BT2	B/B	40 & 45	2,3,4,6,7,17,19,29,30	1,2,5,6,8,13	4,5	14	1,3	20 yr.
FEEDFRESH RB7WB	RB7WB	W/B	7	9,14,15	1,2,5,6,8	6	4,9	1,3,5	18 mo.
FEEDPRO A5WB	A5WB	W/B	5	14,15	1,2,3,6,7,8	4	8	1,3,5	18 mo.
FORTRESS	HC5W	W	3.5	25	2,4,7,10	6	11	1	6 mo.
FORTRESS PRO	HL6W	W	14	25	2,4,10	6	10	1	6 mo.
RUFCO 300 WHITE	3W/SS3W	W	3	12,13,21,22,23	1,4,5,6,7	2	3	1,5	9 mo.
RUFCO 610B	610B	B	6	1,3,4,8,11,15	1,2,3,6,8	4,5	1	3	18 mo.
RUFCO 1010B	1010B	B	10	1,2,3,4,8,11,15	1,2,3,6,8	4,5	1	3	2 yr.
RUFCO 2010B	2010B	B	20	1,2,3,4,6,11	1,2,3,6,8	4,5	1	3	5 yr.
RUFCO 3010B	3010B	B	30	1,2,3,4,19	1,2,3,6,8	4,5	1	3	5 yr.
RUFCO 4010B	4010B	B	40	1,2,3,4,19	1,2,3,6,8	4,5	1	3	5 yr.
RUFCO 2000B	2000B	B	20	1,2,3,4,6,17,21	1,2,3,5,6,8	4,5	6	1,3	20 yr.
RUFCO 3000B	3000B	B	30	1,2,3,6,17,21	1,2,3,5,6,8	4,5	6	1,3	20 yr.
RUFCO 4000B	4000B	B	40	2,3,6,7,17,21	1,2,3,5,6,8	4,5	6	1,3	20 yr.
RUFCO E15DBS	E15DBS	D/B	15	1,2,3,4,6	1,2,3,5,6,8	4,5	8	1,3,4	2 yr.
RUFCO E30BS	E30BS	B	30	1,2,3,6	1,2,3,5,6,8	4,5	8	1,3,4	15 yr.
RUFCO PP40	PP40	B	40	2,3,6,7,17	1,2,3,5,6,8,11	4,5	2	1,3	20 yr.
VAPORBLOCK 6, 10 & 15	VB6,VB10,VB15	BU	6, 10 & 15	21,23	1,2,3,5,6,8	6	7	1	*N/A
VAPORBLOCK PLUS 20	VBP20	W/G	20	21,23,26	1,2,3,5,6,8,12	6	9	1,5	*N/A

Color Key: C=Clear B=Black W=White N=Natural G=Gold BU=Blue D=Gray

COMMON APPLICATIONS

1. Oil Field Pit Liners
2. Remediation Liners & Covers
3. Pond Liners
4. Erosion Control Covers
5. Daily Landfill Covers
6. Interim Landfill Covers
7. Landfill Caps
8. Outdoor Covers
9. Fumigation Covers
10. Lead & Asbestos Abatement
11. Stock Pile Covers
12. Rail Car Covers/Liners
13. Product Wrapping
14. Grain Covers
15. Hay/Silage Covers
16. Poultry House Ceilings
17. Waste Disposal Liners
18. Hog Confinement Ceilings
19. Floating Covers
20. Enclosure Film
21. Under-slab Vapor Retarder
22. Ceiling & Wall Vapor Retarder
23. Radon Retarder
24. Divider Curtains
25. House Wrap
26. Gas Barrier - Brownfields
27. Concrete Curing Blanket
29. Heap Leach Liners
30. Mine Tailing Ponds

ADVANTAGES (BENEFITS):

1. High Puncture Resistance
2. High Tear Resistance
3. High Elongation
4. Low Elongation
5. Low Moisture Permeability
6. Pin Hole Free
7. Economical
8. Good Outdoor Longevity
9. Fire Retardant
10. Breathable
11. Dimensional Stability
12. Low Gas Permeability
13. Increased Surface Friction

PRODUCT TYPE:

1. Extruded 1-Layer MDPE Blend
2. Extruded Flexible Polypropylene
3. Cross Laminated (HDPE/LDPE/HDPE)
4. Scrim Reinforced LLDPE
5. Woven HDPE Ribbons and Coated with LDPE
6. Extruded 1-Layer LLDPE
7. Extruded 1-Layer Polyolefin
8. Co-Extruded 3-Layer Polyolefin
9. Co-Extruded 7-Layer with Barrier
10. Microporous Reinforced Non-woven
11. Woven Polyolefin Microporous
12. Coated Polyolefin Fabric
13. Scrim Reinforced Flexible PP Laminated
14. Textured Scrim Reinforced LLDPE

ROLL WIDTH RANGE:

1. Up to 20'
2. Up to 32'
3. Up to 40'
4. Up to 150'
5. Consult Factory for Widths over 150'
6. Consult Factory for sizes

BASIC ADDITIVES:

1. Ultraviolet Inhibitors/ Thermal Stabilizer
2. Fire Retardant
3. Carbon Black
4. Anti-Skid
5. TiO2 (titanium dioxide)

LDPE = Low Density Polyethylene
MDPE = Medium Density Polyethylene
VLDPE = Very Low Density Polyethylene
LLDPE = Linear Low Density Polyethylene
HDPE = High Density Polyethylene
PP = Polypropylene

Roll Lengths are typically 100'. Many other roll lengths are available. Maximum Roll Weight is 6,000 pounds.

* This product contains UV inhibitors, however, it is intended for non-exposed applications. (Underslab Vapor or Gas Barrier)

** UV Protection in coated side only.

Note: To the best of our knowledge, unless otherwise stated, the information listed on this sheet is best estimate and is intended as guides only, not as specification limits. Chemical resistance, moisture and/odor transmission, as well as other performance criteria are not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. LONGEVITY varies with actual location and weather conditions, which include sun or shade, extreme heat or cold, wind, altitude, installation and many other variables. Because of these variables, we cannot determine exact longevity.

Please visit our website to learn more at www.RavenEFD.com

APPENDIX 9

Truck Route

N

0 400'

Title:

TRUCK ROUTE

5510/5530 BROADWAY
BRONX, NEW YORK

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 17APR14	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	A9
Project Mgr.: W.M.	Project No.: 1924.0005Y000	
File: 1924.0005Y105.03.CDR		

\1924Y\0006Y\106\1924.0005Y106.01.CDR

APPENDIX 10

RIR and RAWP Certification Pages

CERTIFICATION

I, Craig A. Werle, P.G. 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 Former Getty Service Station Site, (NYC VCP Site No. 13CVCP105X). 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.

Craig A. Werle, P.G.	November 5, 2012 Date	Signature

CERTIFICATION

I, Charles McGuckin, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the Former Getty Station-5510 Broadway, Bronx, New York. Site number.

I, Craig Werle am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the Former Getty Station-5510 Broadway, Bronx, New York Site. Site number. (Optional)

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill, and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Charles J. McGuckin, P.E. NYS Professional Engineer #069509	4/16/14 Date	Charles McGuckin Signature
Craig A. Werle, P.G. Qualified Environmental Professional Name	4/16/14 Date	Craig A Werle Signature

APPENDIX B-3

5530 Broadway RAWP

5530 BROADWAY
BRONX, NEW YORK

Remedial Action Work Plan

NYC BCP Number: 14CVCP170X

Prepared for:

Equity One (Northeast Portfolio) Inc.
410 Park Avenue, 12th Floor
New York, New York 10022

Prepared by:

Remedial Engineering, P.C. and Roux Associates, Inc.
209 Shafter Street
Islandia, New York 11749

631-232-2600

FEBRUARY 2014

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1. Sub-Slab Depressurization Systems

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer
PID	Photo Ionization Detector

Acronym	Definition
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Charles J. McGuckin, P.E., am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 5530 Broadway Site, Site number 14CVCP170X.

I, Craig A. Werle, P.G., am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the 5530 Broadway Site, Site number 14CVCP170X.

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill, and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Charles J. McGuckin, P.E. NYS Professional Engineer #069509	2/25/14 Date	Signature

STATE OF NEW YORK
CHARLES J. MCGUCKIN
069509
LICENSED PROFESSIONAL ENGINEER

Craig A. Werle, P.G. QEP Name	2/25/14 Date	QEP Signature

EXECUTIVE SUMMARY

Equity One (Northeast Portfolio) Inc. (Equity One) has enrolled in the New York City Voluntary Brownfield Cleanup Program (NYC VCP) to investigate and remediate an 11,500-square foot site located at 5530 Broadway in Bronx, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria, and guidance, and conforms to applicable laws and regulations.

Site Location and Current Usage

The Site is located at 5530 Broadway in the Kingsbridge section of Bronx, New York and is identified as Block 3266 and Lot 23 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 11,500-square feet and is bounded by a de-mapped street (Kimberly Place) to the northeast, a former retail gasoline station to the southwest, the Broadway Plaza NYC VCP Site to the southeast, and Broadway to the northwest. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant, mostly covered in vegetation, and contains only the abandoned and partially collapsed basement of the former building which was previously demolished.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of retail redevelopment. Equity One will ground lease the site for 49 years with an option to purchase at the end. The site will be combined with the adjacent property located at 5510 Broadway and a two-story slab-on-grade building will be constructed. The new building will have a 19,000 sq. ft. footprint and 35,000 gross sq.ft. on two stories. The building will cover the entire Site, and there will be no open space or landscaped areas. The overall building height will be up to 40 feet. The site consists of one lot, Block 3266, Lot 23.

Construction plans for the Site will include excavation in limited areas to approximately four feet below grade to install pile caps, excavation for a 35 by 35 foot utility basement in the

southwest corner of the property, and the remedial excavation of two hot spots. The existing basement structure from the former building will be removed by excavation that will extend to a depth of approximately 9 feet below grade. This former basement area will be backfilled to meet the surrounding grade at the Site. Removal of the basement structure is the only demolition that will take place at the Site. A sub-slab depressurization system (SSDS) will be installed beneath the entire building slab (across both 5530 and 5510 Broadway). The layout of the proposed site development is presented in Figure 3.

The current zoning designation is commercial C 4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use is consistent with existing zoning for the property.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses, standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.

2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.

3. Establishment of Track 2 Commercial SCOs.

4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

5. Excavation and removal of soil/fill exceeding Track 2 SCOs in two hot spot locations (soil borings SB-1 and SB-3) in addition to excavation for cellar area.

6. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.

7. Removal of underground storage tanks (if encountered) and closure of petroleum spills (if evidence of a spill/leak is encountered during Site excavation) in compliance with applicable local, State and Federal laws and regulations.

8. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

9. Collection and analysis of end-point soil samples to determine the performance of the remedy with respect to attainment of Track 2 SCOs.

10. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

11. Installation of a vapor barrier system beneath the building slab and outside foundation sidewalls below grade.

12. Installation and operation of an active sub-slab depressurization system.

13. Construction and maintenance of an engineered composite cover consisting of the building slab and new structure covering the entire Site to prevent human exposure to residual soil/fill remaining under the Site;

14. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

15. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

16. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site.

17. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection, and certification of Engineering and Institutional Controls and reporting at a specified frequency.

18. The property will continue to be registered with an E-Designation by the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of

the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

The Office of Environmental Remediation created the New York City Voluntary Cleanup Program (NYC VCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust, and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC VCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals, and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential

for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration (OSHA). This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site safety coordinator to implement the Health and Safety Plan. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator will be Joseph Gavin of Roux Associates.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust, and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and include steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these

areas, please contact the onsite Project Manager Joseph Gavin at 631-245-5887 or NYC Office of Environmental Remediation Project Manager Eric Ilijevich at 212-341-2034.

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation are 7 AM to 5 PM Monday through Friday.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager (to be provided by the remedial contractor), the NYC Office of Environmental Remediation Project Manager Eric Ilijevich at 212-341-2034, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State, and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors, and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State, and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping. Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document repositories located at the Kingsbridge Branch of the New York Public Library.

Long-Term Site Management. To provide long-term protection after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined in the property's deed or established through a city environmental designation. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 SITE BACKGROUND

Equity One has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a property located at 5530 Broadway in the Kingsbridge section of Bronx, New York (the "Site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternative analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Current Usage

The Site is located at 5530 Broadway in the Kingsbridge section of Bronx, New York and is identified as Block 3266 and Lot 23 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 11,500-square feet and is bounded by a de-mapped street (Kimberly Place) to the northeast, a former retail gasoline station to the southwest, the Broadway Plaza NYC VCP Site to the southeast, and Broadway to the northwest. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant, mostly covered in vegetation, and contains only the abandoned and partially collapsed basement of the former building which was previously demolished.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of retail redevelopment. Equity One will ground lease the site for 49 years with an option to purchase at the end. The site will be combined with the adjacent property located at 5510 Broadway and a two -story slab-on-grade building will be constructed. The new building will have a 19,000 sq. ft. footprint and 35,000 gross sq.ft. on two stories. The building will cover the entire Site, and there will be no open space or landscaped areas. The overall building height will be up to 40 feet. The site consists of one lot, Block 3266, Lot 23.

Construction plans for the Site will include excavation in limited areas to approximately four feet below grade to install pile caps, excavation for a 35 by 35 foot utility basement in the southwest corner of the property, and the remedial excavation of two hot spots. The existing basement structure from the former building will be removed by excavation that will extend to a depth of approximately 9 feet below grade. This former basement area will be backfilled to meet the surrounding grade at the Site. Removal of the basement structure is the only demolition that will take place at the Site. A sub-slab depressurization system (SSDS) will be installed beneath the entire building slab (across both 5530 and 5510 Broadway). The layout of the proposed site development is presented in Figure 3.

The current zoning designation is commercial C 4-4, which allows for specialty and department stores, theatres and other commercial and office uses. The proposed use is consistent with existing zoning for the property.

The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

1.3 Description of Surrounding Property

To the northwest the property is bounded by Broadway, along which the elevated Number 1 subway line runs. Further northwest across Broadway are retail/commercial spaces, residential properties including several apartment complexes, and Public School 207. To the northeast the property is bounded by the de-mapped street Kimberly Place. Further northeast across Kimberly Place are retail/commercial buildings, including a RadioShack, music store, 99 cents store, pet store, kitchen supply store and Verveelen Place. To the southwest the property is bounded by a former retail gasoline and service station, and West 230th Street. Across West 230th Street are commercial and light industrial buildings. To the southeast the property is bounded by the Broadway Plaza NYC VCP Site. Figure 4 shows the surrounding land usage.

1.4 Remedial Investigation

A remedial investigation was performed and the results are documented in a companion document called "*Remedial Investigation Report, 5530 Broadway*", dated July, 2013, and revised per NYC OER comments in November 2013 (RIR).

Summary of Past Uses of Site and Areas of Concern

The Site is currently owned by Equity One (Northeast Portfolio) Inc. and is vacant. A Phase I investigation performed in 2012 reported Sanborn fire insurance maps showing the Site to be undeveloped until at least 1950. There is a gap in the Sanborn map record from 1950 until 1978, when a single-story brick and concrete block structure is depicted in the northwest corner of the Site. The same building is depicted in subsequent Sanborn maps until 1998, where the Site is shown as a vacant lot. The gap in Sanborn maps between the years of 1914 to 1950 results in unknown use of the property during this time period.

No specific areas of concern (AOCs) were identified onsite other than fill blanketing the upper 5 to 10 feet of the Site, a closed spill number related to the adjacent Site (Spill No. 0904799), and an existing former basement filled with demolition building materials.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed seven soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. To evaluate groundwater quality, three groundwater samples were collected from three temporary monitoring wells that were installed as part of the Phase II;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 18 to 20 feet above sea level.
2. Depth to groundwater ranges from 11 to 12 feet below land surface (bls) at the Site.
3. Groundwater flow is generally from northeast to southwest beneath the Site.
4. Depth to bedrock is unknown, as bedrock was not encountered during this RI. Bedrock is at least 20 feet or greater below the surface.
5. The stratigraphy of the site, from the surface down to the maximum soil boring depth of 20 feet bls, consists of fine sand, with some gravel. Most of the Site is covered with fill material that appears to have been historically used for grading purposes.
6. Analytical results were compared to NYSDEC 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Use SCOs. Results show

exceedances of four VOCs and included acetone (140 parts per billion (ppb)), benzene (1,800 ppb in 10-12 foot, and 330 ppb at 13-15 foot interval), methylene chloride (350 ppb), and total xylenes (560 ppb in 10-12 foot, 6.2 ppb in 3-15 foot interval) in two of the 15 samples from one soil boring (SB-5). The acetone and methylene chloride detections appear to be lab artifacts because they were also found in the associated lab blanks. Benzene and xylene exceed the Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs), however, they do not exceed the Track 2 Restricted Commercial SCOs. No other VOCs exceeded any of the criteria. The elevated hydrocarbon concentration detected in this sample reflects impacts from the adjacent former Getty station. Several SVOCs, all polycyclic aromatic hydrocarbons (PAHs), including benzo[a]anthracene (max. of 21,000 ppb); benzo[a]pyrene (max. of 23,000 ppb); benzo[b]fluoranthene (max. of 25,000 ppb); benzo[k]fluoranthene (max. of 11,000 ppb); chrysene (max. of 20,000 ppb); dibenzo[a,h]anthracene (max. of 3,900 ppb); and Indeno[1,2,3-cd]pyrene (max. of 18,000 ppb) exceeded Unrestricted Use SCOs as well as Restricted Commercial SCOs. Several metals were detected above Unrestricted Use SCOs and included arsenic (19.5 ppm), barium (365 ppm), chromium (max of 49 ppm), copper (635 ppm), lead (max. of 601 ppm), mercury (max. of 0.31 ppm), nickel (40 ppm), and zinc (600 ppm) in multiple soil borings. Of these metals, arsenic and copper also exceeded the Restricted Commercial SCO. PCBs were not detected in any of the soil borings. The detections described above are evenly distributed across the Site. The random distribution of metals and SVOCs is typical of urban fill material.

7. Groundwater samples collected during the RI showed no PCBs in any sample. Several SVOCs were identified in groundwater (petroleum hydrocarbons); however, most concentrations were found at trace or estimated concentrations below 2 ppb and none exceeded Part 703.5 Class GA groundwater quality standards (GQS). Four VOCs were identified above GQS in two of the groundwater samples and included benzene (at 400 ppb), isopropylbenzene (at 16 ppb), and methyl tertiary butyl ether (at 42 ppb) and one chlorinated hydrocarbon (PCE) (at 7.1 ppb). There were several detections of metals in groundwater, but only sodium and manganese exceeded their respective GQS in dissolved groundwater samples. Overall, groundwater results are consistent with soil results and do not indicate a contaminant source on this property. Rather, the petroleum hydrocarbons detected in groundwater are consistent with the known (closed) petroleum spill at the neighboring former Getty gasoline station property.

8. Soil vapor samples collected during the RI showed a variety of VOCs, including petroleum hydrocarbons and chlorinated hydrocarbons. Tetrachloroethylene (PCE) was identified in all four soil vapor samples and ranged from 19 $\mu g/m^3$ to 1400 $\mu g/m^3$, and trichloroethylene (TCE) was detected at a maximum concentration of 9.2 $\mu g/m^3$. The PCE and TCE concentrations are above the monitoring level ranges established within the State DOH soil vapor guidance matrix.

For more detailed results, consult the RIR. A summary of the laboratory data collected during the RI is provided on Tables 2 through 10. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Groundwater

- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil

- Prevent direct contact with contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended, and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in exceedance of applicable standards, criteria, and guidance values (SCGs). A remedy is then developed based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community acceptance;
- Land use; and
- Sustainability

The following is a detailed description of the alternatives analysis and remedy selection to address impacted media at the Site. As required, a minimum of two remedial alternatives (Alternative 1 and Alternative 2) are considered for alternatives analysis for this site:

Alternative 1 involves:

- Establishment of Unrestricted Use (Track 1) SCOs.
- Based on the results of the Remedial Investigation, it is expected that this alternative would require excavation across the entire Site to a depth of more than 10 feet to removal all historic fill (to groundwater table). If soil/fill containing analytes at concentrations above Unrestricted Use SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building is complete, additional excavation will be performed to ensure complete removal of soil that does not meet Track 1 Unrestricted Use SCOs.
- No engineering or institutional controls are required in a Track 1 cleanup, but a vapor barrier would be installed beneath the foundation slab and behind foundation sidewalls of

the new building as a part of development to prevent any potential future exposures from off-Site soil vapor or groundwater.

- Placement of a final cover over the entire Site as part of construction.

Alternative 2 involves:

- Establishment of Restricted Commercial (Track 2) SCOs;
- Removal of all soils exceeding Track 2 SCOs and confirmation that Track 2 has been achieved with post-excavation endpoint sampling. Excavation for development purposes would take place to a depth of approximately four feet below grade at pile cap locations, and for a small utility cellar. Two hotspots identified during Remedial Investigation would also be excavated. If soil/fill containing analytes at concentrations above Track 2 Commercial SCOs are still present at the base of the excavation after removal of all soil required for construction of the new building is complete, additional excavation will be performed to meet Track 2 Commercial SCOs;
- Placement of a vapor barrier beneath the foundation slab and along foundation side walls up to grade;
- Installation and operation of active sub-slab depressurization system (SSDS);
- Placement of a final cover over the entire site to eliminate exposure to remaining soil/fill;
- Establishment of use restrictions including prohibitions on the use of groundwater from the site and prohibitions on other sensitive site uses, such as farming or vegetable gardening, to eliminate future exposure pathways;
- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these engineering and institutional controls, including the performance of periodic inspections and certification that the controls are performing as they were intended; and
- The property will continue to be registered with an E-Designation by the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in the RAWP and a requirement that management of these controls would be in compliance with an approved SMP. Institutional Controls would include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

3.1 Threshold Criteria

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced, or controlled through removal, treatment, and implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing additional impacted soil at the Site, thus eliminating the potential for human and environmental exposure to contaminated soil/fill once construction is complete and eliminating the risk of contamination leaching into groundwater.

There is minimal potential for contact with contaminated groundwater as it is not used for potable purposes. Potential exposure from off-site soil vapors would be addressed by installing a vapor barrier beneath the foundation slab of the new building as part of development.

Alternative 2 would achieve comparable protection of human health and the environment by excavating and removing soil/fill above Track 2 SCOs, as well as by employing institutional and engineering controls, including a composite cover system, a vapor barrier, and a sub-slab depressurization system. The composite cover system would prevent direct contact with any remaining on-Site soil/fill. Implementing institutional controls including a Site Management Plan and continued "E" designation of property would ensure that the composite cover system remains intact and protective. Establishment of Track 2 Commercial SCOs would minimize the risk of contamination leaching into groundwater.

For both Alternatives, potential exposure to contaminated soils during construction would be minimized by implementing an approved Soil/Materials Management Plan (SMMP) and Community Air Monitoring Plan (CAMP). Potential contact with contaminated groundwater would be prevented as use for potable purposes is prohibited by city laws and regulations. Potential post-remediation exposure to soil vapors would be addressed by installing a vapor

barrier beneath the foundation slab and outside foundation walls and installing/operating a sub-slab depressurization system.

3.2 Balancing Criteria

Compliance with Standards, Criteria, and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria, and guidance.

Alternative 1 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to achieve Track 1 Unrestricted Use SCOs and Groundwater Protection Standards. Compliance with SCGs for soil vapor would also be achieved by a SSDS and by installing a vapor barrier below the new building's basement slab and continuing the vapor barrier around foundation walls, as part of development.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to meet Track 2 Commercial SCOs. Compliance with SCGs for soil vapor would also be achieved by installing an active SSDS and by installing a vapor barrier below the new building's basement slab and continuing the vapor barrier around foundation walls. A Site Management Plan would ensure that these controls remained protective for the long term.

Health and safety measures contained in the CHASP and Community Air Monitoring Plan (CAMP) that comply with the applicable SCGs shall be implemented during Site redevelopment under this RAWP. For both Alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with applicable SCGs. These measures would protect on-site workers and the surrounding community from exposure to Site-related contaminants.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during

implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Alternative 1 and 2 have similar-short term effectiveness during their respective implementations, as each requires excavation of impacted material. Alternative 1 and 2 would both employ appropriate measures to prevent short term impacts, including a CAMP and a SMMP, during all on-Site soil disturbance activities and would effectively prevent the release of significant contaminants into the environment. Both alternatives provide short term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a Health and Safety Plan (CHASP) will be protected from on-Site contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs/ICs that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of Engineering Controls.

Alternative 1 would achieve long-term effectiveness and permanence related to on-site contamination by permanently removing all impacted soils and enabling unrestricted usage of the property.

Alternative 2 would provide long-term effectiveness by removing most on-site contamination and attaining Track 2 Commercial SCOs, establishing engineering controls including a vapor barrier, operation of an active SSDS and a composite cover system across the entire site, establishing institutional controls to ensure long-term management including use restrictions, a

Site Management Plan, and continued registration with E designation to memorialize these controls for the long term. The Site Management Plan will ensure long-term effectiveness of all engineering controls and institutional controls by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as they were intended to and assuring that protections designed in the remedy will provide continued high levels of protection, in perpetuity.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 would permanently eliminate the toxicity, mobility, and volume of contaminants from on-site soil by removing all soil in excess of Track 1 SCOs.

Alternative 2 would permanently eliminate most of the toxicity, mobility, and volume of contaminants from on-site soil by removing soil in excess of Track 2 SCOs, and remaining soil/fill would meet Track 2 Commercial SCOs. The entire site would be capped to permanently eliminate exposures and associated toxicity.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g., obtaining permits for remedial activities), and availability of services and materials.

Both Alternatives are feasible and implementable. The techniques, materials, and equipment to implement Alternative 1 and 2 are readily available and have been proven effective in remediating the contaminants associated with the Site. They use standard materials, services, and well-established technology. The reliability of these remedies is also high. There are no specific difficulties associated with any of the activities proposed, which utilize standard/industry methods.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since historic fill at the Site was found during the RI to extend to a depth of up to 10 feet below grade, and the new building requires excavation of the part of the Site to a depth of 10 feet, the costs associated with Alternative 1 are significantly higher than Alternative 2 because additional excavation (including sheeting and shoring) and off-Site disposal would be required. Long-term costs for Alternative 2 include the costs for long term implementation of a Site Management Plan; however, total costs for Alternative 1 would still be higher.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Based on the overall goals of the remedial program and initial observations by the project team, both of the alternatives are expected to be acceptable to the community. This RAWP will be subject to a public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedial action. The public comments received, if any, related to site remediation will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Appendix B.

Land Use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The proposed redevelopment of the Site is compatible with its current zoning and is consistent with recent development patterns. Following remediation, the Site will meet either Track 1 Unrestricted Use or Track 2 Commercial SCOs, both of which are appropriate for its planned use. Improvements in the current environmental condition of the property achieved by both alternatives are also consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive reuse. Both alternatives are equally protective of natural resources and cultural resources.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

Both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. To the extent practicable, energy efficient building materials, appliances, and equipment will be utilized to complete the development. A complete list of green remedial activities considered as part of the NYC VCP is included in the Sustainability Statement, included as Appendix C.

4.0 REMEDIAL ACTION

4.1 Summary of Preferred Remedial Action

The preferred remedial action alternative is the Track 2 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity, and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.

2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds.

3. Establishment of Track 2 Commercial SCOs.

4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

5. Excavation and removal of soil/fill exceeding Track 2 SCOs in two hot spot locations (soil borings SB-1 and SB-3) in addition to excavation for cellar area.

6. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.

7. Removal of underground storage tanks (if encountered) and closure of petroleum spills (if evidence of a spill/leak is encountered during Site excavation) in compliance with applicable local, State and Federal laws and regulations.

8. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

9. Collection and analysis of end-point soil samples to determine the performance of the remedy with respect to attainment of Track 2 SCOs.

10. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.

11. Installation of a vapor barrier system beneath the building slab and outside foundation sidewalls below grade.

12. Installation and operation of an active sub-slab depressurization system.

13. Construction and maintenance of an engineered composite cover consisting of the building slab and new structure covering the entire Site to prevent human exposure to residual soil/fill remaining under the Site;

14. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.

15. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.

16. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site.

17. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection, and certification of Engineering and Institutional Controls and reporting at a specified frequency.

18. The property will continue to be registered with an E-Designation by the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 Soil Cleanup Objectives and Soil/Fill Management

Track 2 Commercial Soil Cleanup Objectives (SCOs) are proposed for this project. The SCOs for this Site are listed in Table 1. Soil and materials management on-Site and off-Site, including excavation, handling, and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix 3. The location of planned excavations is shown in Figure 2.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is approximately 1200 cubic yards (approximately 1800 tons).

Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

End-Point Sampling

Removal actions for development purposes under this plan will be performed in conjunction with confirmation soil sampling. Four confirmation samples will be collected from the base of the excavation at locations to be determined by OER. For comparison to Track 1 SCOs, analytes will include VOCs, SVOC, pesticides, PCBs, and metals according to analytical methods described below. For comparison to Track 2 SCOs, analytes will only include trigger compounds and elements established on the Track 2 SCO list.

Hot-spot removal actions, whether established under this RAWP or identified during the remedial program, will be performed in conjunction with post remedial end-point samples to ensure that hot-spots are fully removed. Analytes for end-point sampling will be those parameters that are driving the hot-spot removal action and will be approved by OER. Frequency for hot-spot end-point sample collection is as follows:

1. For the two hot-spot excavations (10 x 10 x 15 feet deep at SB-1 and SB-3) one bottom sample and one sidewall sample will be collected and analyzed as follows:
   - SB-1 – SVOCs and copper
   - SB-3 – SVOCs
2. For the former basement area that was inaccessible during the RI, two soil samples will be collected and analyzed as follows:
   - Volatile organic compounds by EPA Method 8260;
   - Semivolatile organic compounds by EPA Method 8270;

- Target Analyte List metals; and
- Pesticides/PCBs by EPA Method 8081/8082.

Any soil beneath the former basement that is found to exceed Track 2 standards will be excavated.

3. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken.

Post-remediation end-point sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State ELAP certified labs will be used for all confirmation and end-point sample analyses. Labs performing confirmation and end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all confirmation and end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples and Confirmation samples will be analyzed for compounds and elements as described above utilizing the following methodology:

Soil analytical methods will include:

- Volatile organic compounds by EPA Method 8260;
- Semivolatile organic compounds by EPA Method 8270;
- Target Analyte List metals; and
- Pesticides/PCBs by EPA Method 8081/8082.

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and “finger print analysis” and required regulatory reporting (i.e., spills hotline) will be performed.

Quality Assurance/Quality Control

The fundamental QA objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the QC acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

The end point sampling will follow the same procedures and protocols used during the RI. This will include one duplicate, field and laboratory blank sample.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix C.

4.3 Engineering Controls

The excavation required for the proposed Site development will achieve Track 2 Commercial Use SCOs. Engineering Controls were employed in the remedial action to address residual contamination remaining at the site. The Site has three primary Engineering Control Systems. These are:

- composite cover system consisting of concrete covered sidewalks, and the concrete building slabs;
- soil vapor barrier; and
- sub-slab depressurization system.

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system is comprised of:

- Newly constructed building slab, to cover the entire Site; and
- Concrete covered sidewalks adjacent to the Site on Broadway.

The composite cover system is a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the Site Management Plan and will outline the procedures

to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

Vapor Barrier

Migration of soil vapor will be mitigated with a combination of building slab and vapor barrier. A vapor barrier system consisting of a 20-mil geomembrane or its equivalent will be installed beneath the building slab and up the sidewalls according to manufacturer specifications. The RAR will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturers certificate of warranty. A detailed description including manufacturer's specifications will be submitted as part of the building design.

The project's Professional Engineer licensed by the State of New York will have primary direct responsibility for overseeing the implementation of the vapor barrier.

Sub-Slab Depressurization System

Migration of soil vapor will be mitigated with the construction of an active SSDS. The SSDS will be incorporated into the design of the building and will be installed during construction. The SSDS will consist of 4-inch diameter perforated piping installed in gravel trenches beneath the concrete slab in a looped system around the interior edge of the building perimeter. The gravel trenches will be wrapped with a 7-ounce non-woven geo-textile fabric to prevent entry of fines into the piping. The perforated piping will be connected to a 6-inch diameter riser that will extend internally to the roof. The riser pipe will be connected to a 2-horsepower regenerative blower mounted on the roof. The blower cut sheet is provided in Appendix F. The configuration of the anticipated SSDS design for the site is shown in Plate 1. The design is based on a building that occupies both 5510 and 5530 Broadway. Modifications will be made to the SSDS layout when the building design is finalized.

The SSDS will be tested at startup to demonstrate that the system is performing adequately as designed. To simplify the verification of proper system operation, a low vacuum switch (with

manual reset) will be installed on the blower inlet to provide warning if a low vacuum situation were to occur. A warning light will be installed in the interior space of the proposed building (i.e., manager's office). Should a low vacuum situation occur, the warning light will turn on to notify the appropriate personnel.

Upon startup, an air sample will be collected from the exhaust of the depressurization system for analysis using USEPA method TO-15. The air test results will be used to perform a Division of Air Resources (DAR-1) analysis to estimate emissions. Emission levels based on the DAR-1 analysis will be compared to annual guidance concentrations and short term guidance concentrations to determine whether or not air emission control is required. The effluent of the blower and/or vapor phase treatment (if needed) will also be monitored using a photoionization detector (PID) during each O&M visit. A detailed description of the SSDS O&M plan will be contained in the SMP that will be submitted with the RAR.

4.4 Institutional Controls

Institutional Controls (IC) have been incorporated in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Institutional Controls are listed below. Long-term employment of EC/ICs will be implemented under a site-specific Site Management Plan (SMP) that will be included in the RAR. The property will continue to be registered with an E-Designation by the NYC Buildings Department.

Institutional Controls for this remedial action are:

- The property will continue to be registered with an E-Designation by the NYC Buildings Department. This RAWP includes a description of all ECs and ICs and summarizes the requirements of the Site Management Plan which will note that the property owner and property owner's successors and assigns must comply with the approved SMP;

- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification

shall be submitted at a frequency to be determine by OER in the SMP and will comply with RCNY §43-1407(l)(3).

- Vegetable gardens and farming on the Site are prohibited in contact with residual soil materials;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;
- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;
- The Site will be used for commercial use and will not be used for a higher level of use without prior approval by OER.

4.5 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Brownfield Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled by OER on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by March 31 of the year following the reporting period.

4.6 Qualitative Human Health Exposure Assessment

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Investigations reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the VCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Sources

Based on the results of the RIR, the contaminants of concern are as listed below. Analytical results from samples collected during the RI are provided in Tables 2 through 10.

Soil:

- Four VOCs (acetone, benzene, methylene chloride, and xylenes) exceed Track 1 SCOs, but not Track 2 Restricted Commercial (RC) SCOs in one location on the southwestern side of the site, adjacent to the former Getty property;
- Seven SVOCs (all PAHs) exceed Track 1 SCOs, with five of these also exceeding Track 2 RC SCOs in several locations;
- PCBs were not detected in soil samples; and
- Five metals, including arsenic, chromium, copper, lead and mercury, exceed Track 1 SCOs, with arsenic and copper also exceeding the Track 2 RC SCOs in one and two locations, respectively.

Groundwater:

- Four VOCs, including benzene, isopropylbenzene, MTBE, and PCE, exceed Part 703.5 Class GA groundwater quality standards (GQS);
- Five metals, including, chromium, iron, lead, manganese and sodium, exceed GQS;
- One SVOC (phenol) exceed GQS; and
- PCBs were not detected in groundwater.

Soil Vapor:

- A variety of VOCs, including moderate concentrations of PCE (maximum 1400 $\mu g/m^3$) and low concentrations of TCE (maximum 9.2 $\mu g/m^3$), and lower levels of petroleum hydrocarbon compounds (generally under 50 $\mu g/m^3$) were detected in the soil vapor samples.

Nature, Extent, Fate and Transport of Contaminants

Contaminants identified in soil in this remedial investigation are generally associated with historical fill placed beneath the ground surface at this site. Historical fill is widespread and distributed throughout the property. In general, the exceedances in soil are restricted to the upper two-feet, with only two locations exceeding the Track 2 RC SCOs at depths of 12 to 14 feet bls. Soil samples collected near the water table at SB-5 contained VOC and SVOC detections that exceed the Track 1 SCOs, but not the Track 2 SCOs, consistent with previous investigations and the known former Spill at the adjacent former Getty property. Groundwater is not affected by onsite contaminants, but exhibits limited impacts near the former Getty property. Soil vapor impacts are widespread across the Site. The source of the elevated soil vapor concentrations is off site based on the total lack of chlorinated solvents in onsite soils.

Potential Routes of Exposure

The five elements of an exposure pathway are: 1) the source of contamination; 2) the environmental media and transport mechanisms; 3) the point of exposure; 4) the route of exposure; and 5) the receptor population. An exposure pathway is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists

when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future. Three potential primary routes exist by which chemicals can enter the body:

- Ingestion of water, fill or soil;
- Inhalation of vapors and particulates; and,
- Dermal contact with water, fill, soil, or building materials.

Existence of Human Health Exposure

Current Conditions

The site is currently a vacant lot. In the areas where human exposure to contaminated soil is possible, potential migration pathway is likely complete for dermal absorption, ingestion, and inhalation. Groundwater is not exposed at the site and, because the site is served by the public water supply, groundwater is not used at the site.

Construction/ Remediation Activities

The potential exposure pathways to on-site contamination are by ingestion, dermal, or inhalation exposure by on-site workers during the remedial action. During the remedial action, on-site exposure pathways will be eliminated by preventing access to the site and through implementation of soil/materials management, stormwater pollution prevention, dust controls, employment of a community air monitoring plan, and implementation of a Construction Health and Safety Plan (CHASP).

Proposed Future Conditions

Under future remediated conditions, the site will be fully capped, limiting potential direct exposure to soil and groundwater remaining in place, and there will be a vapor barrier and SSDS to prevent potential for inhalation via soil vapor intrusion. There are no plausible off-site pathways for oral, inhalation, or dermal exposure to contaminants derived from the site.

Receptor Populations

On-Site Receptors

The Site is currently a vacant lot and there are human receptors under current conditions. During construction and remediation activities, receptors will include construction and remediation workers. Under future conditions, receptors will include employees and customers of the proposed commercial establishments.

Off-Site Receptors

Potential off-site receptors within a 0.25-mile radius of the Site include adult and child residents, commercial and construction workers, pedestrians, trespassers, and cyclists, based on the following:

1. Commercial Businesses (up to 0.25 mile) – existing and future
2. Residential Buildings (up to 0.25 mile) – existing and future
3. Building Construction/Renovation (up to 0.25 mile) – existing and future
4. Pedestrians, Trespassers, Cyclists (up to .25 mile) – existing and future
5. Schools (up to .25 mile) – existing and future

Overall Human Health Exposure Assessment

Complete on-site exposure pathways appear to be present only during the construction and remediation phase. During the remedial action, on-site exposure pathways will be eliminated by: preventing access to the site; through implementation of soil/materials management, stormwater pollution prevention, and dust controls; employment of a community air monitoring plan; and, implementation of a CHASP.

Investigations reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA).

5.0 REMEDIAL ACTION MANAGEMENT

5.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include:

- Michael Berfield – Executive Vice President - Equity One (Northeast Portfolio) Inc.
- Craig Werle, P.G. – Principal Hydrogeologist - Roux Associates, Inc.
- Wendy Monterosso – Project Manager - Roux Associates, Inc.
- Glenn Netuschil, P.E. – Senior Engineer - Roux Associates, Inc.
- Joseph Gavin, Project Hydrogeologist/Field Manager - Roux Associates, Inc.

The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are:

- Charles McGuckin, P.E., Remedial Engineering
- Craig A. Werle, P.G., Roux Associates, Inc.

5.2 Site Security

Site access will be controlled by through gated entrances to the fenced property.

5.3 Work Hours

The hours for operation of remedial construction will be from 7 AM to 5 PM. These hours conform to the New York City Department of Buildings construction code requirements.

5.4 Construction Health and Safety Plan

The Health and Safety Plan is included in Appendix D. The Site Safety Coordinator will be provided by the remedial contractor. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. The Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park,

or adjacent to a school or residence. Exceedances of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate

monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 Agency Approvals

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 Site Preparation

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility

mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

At present, intrusive work planned for the Site will take place above the observed groundwater table. Dewatering will not be required during the remedial construction or redevelopment of the Site.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill, or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the NYC VCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels, and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; lose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from holes, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be

removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, haybales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures, or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYS DEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will by collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Storm-water control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of site access by the property owner. Impacted offsite areas may require characterization based on site conditions, at the discretion of OER. If onsite petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to NYS DEC's spill hotline at DEC 800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped it this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYS DEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of onsite or offsite exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYS DEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 Traffic Control

Drivers of trucks leaving the NYC VCP Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is West 230thStreet to the Major Deegan Expressway.

5.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 Reporting and Record Keeping

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during

major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e., jpeg files).

5.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 Deviations from the Remedial Action Work Plan

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

5.13 Data Usability Summary Report

The primary objective of a Data Usability Summary Report (DUSR) is to determine whether or not data meets the site specific criteria for data quality and data use. The DUSR provides an evaluation of analytical data without third party data validation. The DUSR for post-remedial samples collected during implementation of this RAWP will be included in the Remedial Action Report (RAR).

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action and DUSR;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.
- Recorded Declaration of Covenants and Restrictions.
- Continue registration of the property with an E-Designation by the NYC Department of Buildings.
- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, _____, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 5530 Broadway Site, Site number 14CVCP170X.

I, _____, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the 5530 Broadway Site, Site number 14CVCP170X .

I certify that the OER-approved Remedial Action Work Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a six month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	1	1
Remedial Excavation	3	1
Construction Excavation	3	8
Construct Sub-slab Depressurization System/Install Vapor Barrier	3	3
Demobilization	8	1
Record Declaration of Covenants and Restrictions	24	1
Submit Remedial Action Report	24	2

TABLES

1. Site Soil Cleanup Objectives
2. Summary of Volatile Organic Compounds in Soil
3. Summary of Semivolatile Organic Compounds in Soil
4. Summary of Metals in Soil
5. Summary of Polychlorinated Biphenyls in Soil
6. Summary of Volatile Organic Compounds in Groundwater
7. Summary of Semivolatile Organic Compounds in Groundwater
8. Summary of Metals in Groundwater
9. Summary of Polychlorinated Biphenyls in Groundwater
10. Summary of Volatile Organic Compounds in Soil Vapor

Table 1. Summary of Soil Cleanup Objectives, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)
Volatile Organic Compounds	
1,1,1-Trichloroethane	500000
1,1,2,2-Tetrachloroethane	--
1,1,2-Trichloroethane	--
1,1-Dichloroethane	240000
1,1-Dichloroethene	500000
1,2,3-Trichlorobenzene	--
1,2,4-Trichlorobenzene	--
1,2-Dibromoethane	--
1,2-Dichlorobenzene	500000
1,2-Dichloroethane	30000
1,2-Dichloropropane	--
1,3-Dichlorobenzene	280000
1,4-Dichlorobenzene	130000
1,4-Dioxane	130000
2-Butanone (MEK)	500000
2-Hexanone	--
4-Methyl-2-pentanone (MIBK)	--
Acetone	500000
Benzene	44000
Bromochloromethane	--
Bromodichloromethane	--
Bromoform	--
Bromomethane	--
Carbon disulfide	--
Carbon tetrachloride	22000
Chlorobenzene	500000
Chloroethane	--
Chloroform	350000
Chloromethane	--
cis-1,2-Dichloroethene	500000
cis-1,3-Dichloropropene	--
Cyclohexane	--
Dibromochloromethane	--
Dibromochloropropane	--
Dichlorodifluoromethane	--
Ethylbenzene	390000
Freon 113	--
Isopropylbenzene	--
m+p-Xylene	--
Methyl acetate	--
Methylcyclohexane	--
Methylene chloride	500000
MTBE	500000
o-Xylene	--
Styrene	--
Tetrachloroethene	150000
Toluene	500000
trans-1,2-Dichloroethene	500000

Table 1. Summary of Soil Cleanup Objectives, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)
trans-1,3-Dichloropropene	--
Trichloroethene	200000
Trichlorofluoromethane	--
Vinyl chloride	13000
Xylenes (total)	500000
Semivolatile Organic Compounds	
1,1'-Biphenyl	--
1,2,4,5-Tetrachlorobenzene	--
2,2'-oxybis (1-chloropropane)	--
2,3,4,6-Tetrachlorophenol	--
2,4,5-Trichlorophenol	--
2,4,6-Trichlorophenol	--
2,4-Dichlorophenol	--
2,4-Dimethylphenol	--
2,4-Dinitrophenol	--
2,4-Dinitrotoluene	--
2,6-Dinitrotoluene	--
2-Chloronaphthalene	--
2-Chlorophenol	--
2-Methylnaphthalene	--
2-Methylphenol	500000
2-Nitroaniline	--
2-Nitrophenol	--
3&4-Methylphenol	--
3,3'-Dichlorobenzidine	--
3-Nitroaniline	--
4,6-Dinitro-2-methylphenol	--
4-Bromophenyl phenyl ether	--
4-Chloro-3-methylphenol	--
4-Chloroaniline	--
4-Chlorophenyl phenyl ether	--
4-Nitroaniline	--
4-Nitrophenol	--
Acenaphthene	500000
Acenaphthylene	500000
Acetophenone	--
Anthracene	500000
Atrazine	--
Benzaldehyde	--
Benzo[a]anthracene	5600
Benzo[a]pyrene	1000
Benzo[b]fluoranthene	5600
Benzo[g,h,i]perylene	500000
Benzo[k]fluoranthene	56000
Bis(2-chloroethoxy)methane	--
Bis(2-chloroethyl) ether	--
Bis(2-ethylhexyl) phthalate	--
Butylbenzyl phthalate	--
Caprolactam	--
Carbazole	--

Table 1. Summary of Soil Cleanup Objectives, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Commercial (µg/kg)
Chrysene	56000
Dibenzo[a,h]anthracene	560
Dibenzofuran	350000
Diethyl phthalate	--
Dimethyl phthalate	--
Di-n-butyl phthalate	--
Di-n-octyl phthalate	--
Fluoranthene	500000
Fluorene	500000
Hexachlorobenzene	6000
Hexachlorobutadiene	--
Hexachlorocyclopentadiene	--
Hexachloroethane	--
Indeno[1,2,3-cd]pyrene	5600
Isophorone	--
Naphthalene	500000
Nitrobenzene	--
n-Nitrosodi-n-propylamine	--
n-Nitrosodiphenylamine	--
Pentachlorophenol	6700
Phenanthrene	500000
Phenol	500000
Pyrene	500000
Metals	
Aluminum	--
Antimony	--
Arsenic	16
Barium	400
Beryllium	590
Cadmium	9.3
Calcium	--
Chromium	1500
Cobalt	--
Copper	270
Iron	--
Lead	1000
Magnesium	--
Manganese	10000
Mercury	2.8
Nickel	310
Potassium	--
Selenium	1500
Silver	1500
Sodium	--
Thallium	--
Vanadium	--
Zinc	10000
Polychlorinated Biphenyls	
Total PCBs	1000

Table 2. Summary of Volatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-1 DUP	SB-1	SB-2	SB-2	SB-3
			Sample Date:	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	0-2	12-14	0-2	11-13	0-2
1,1,1-Trichloroethane	680	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,1,2-Trichloroethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,1-Dichloroethane	270	240000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,1-Dichloroethene	330	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,2,3-Trichlorobenzene	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,2,4-Trichlorobenzene	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,2-Dibromoethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	1100	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,2-Dichloroethane	20	30000		1.1 U *	1.1 U *	1.2 U	1 U *	1.1 U *	1.1 U *
1,2-Dichloropropane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,3-Dichlorobenzene	2400	280000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,4-Dichlorobenzene	1800	130000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
1,4-Dioxane	100	130000		54 U	53 U	58 U	52 U	56 U	53 U
2-Butanone (MEK)	120	500000		11 U *	11 U *	2.1 J	10 U *	11 U *	11 U *
2-Hexanone	--	--		11 U	11 U	12 U	10 U	11 U	11 U
4-Methyl-2-pentanone (MIBK)	--	--		11 U	11 U	12 U	10 U	11 U	11 U
Acetone	50	500000		11 B	10 J B	26 B	22 B	17 B	13 B
Benzene	60	44000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Bromochloromethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Bromodichloromethane	--	--		1.1 U *	1.1 U *	1.2 U	1 U *	1.1 U *	1.1 U *
Bromoform	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Bromomethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Carbon disulfide	--	--		1.1 U	1.1 U	2	1 U	1.1 U	1.1 U
Carbon tetrachloride	760	22000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Chlorobenzene	1100	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Chloroethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Chloroform	370	350000		1.1 U *	1.1 U *	1.2 U	1 U *	1.1 U *	1.1 U *
Chloromethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
cis-1,2-Dichloroethene	250	500000		1.1 U	1.1 U	0.73 J	1 U	1.1 U	1.1 U
cis-1,3-Dichloropropene	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Cyclohexane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Dibromochloromethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Dibromochloropropane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-1 DUP	SB-1	SB-2	SB-2	SB-3
			Sample Date:	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	0-2	12-14	0-2	11-13	0-2
Dichlorodifluoromethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Ethylbenzene	1000	390000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Freon 113	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Isopropylbenzene	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Methyl acetate	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Methylcyclohexane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Methylene chloride	50	500000		1.1 U	1.1 U	0.27 J	1 U	1.1 U	1.1 U
MTBE	930	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Styrene	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Tetrachloroethene	1300	150000		8.1	5.6	37	0.72 J	1.1 U	0.33 J
Toluene	700	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
trans-1,2-Dichloroethene	190	500000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
trans-1,3-Dichloropropene	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Trichloroethene	470	200000		1.1 U	1.1 U	1.2	1 U	1.1 U	1.1 U
Trichlorofluoromethane	--	--		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Vinyl chloride	20	13000		1.1 U	1.1 U	1.2 U	1 U	1.1 U	1.1 U
Xylenes (total)	260	500000		3.2 U	3.2 U	3.5 U	3.1 U	3.4 U	3.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 2. Summary of Volatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-3	SB-4	SB-4	SB-5	SB-5	SB-5
			Sample Date:	5/22/2013	5/22/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	11-13	0-2	8-10	0-2	10-12	13-15
1,1,1-Trichloroethane	680	500000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,1,2,2-Tetrachloroethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,1,2-Trichloroethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,1-Dichloroethane	270	240000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,1-Dichloroethene	330	500000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,2,3-Trichlorobenzene	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,2,4-Trichlorobenzene	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,2-Dibromoethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,2-Dichlorobenzene	1100	500000		1.1 U	1.1 U	1 U	1 U	94 J	0.84 J
1,2-Dichloroethane	20	30000		1.1 U	1.1 U	1 U	1 U *	120 U	1.2 U
1,2-Dichloropropane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,3-Dichlorobenzene	2400	280000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,4-Dichlorobenzene	1800	130000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
1,4-Dioxane	100	130000		56 U	53 U	51 U	51 U	6200 U	59 U
2-Butanone (MEK)	120	500000		3.1 J	11 U	4.2 J	10 U *	620 U	29
2-Hexanone	--	--		11 U	11 U *	10 U *	10 U	620 U	12 U
4-Methyl-2-pentanone (MIBK)	--	--		11 U	11 U *	10 U *	10 U	620 U	12 U
Acetone	50	500000		21 B	11 U	30 B	17 B	620 U	**140 B**
Benzene	60	44000		1.1 U	0.25 J	0.16 J	1 U	**1800**	**330**
Bromochloromethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Bromodichloromethane	--	--		1.1 U	1.1 U	1 U	1 U *	120 U	1.2 U
Bromoform	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Bromomethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Carbon disulfide	--	--		0.58 J	0.49 J	0.82 J	1 U	120 U	0.99 J
Carbon tetrachloride	760	22000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Chlorobenzene	1100	500000		1.1 U	1.1 U	1 U	1 U	160	1.3
Chloroethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Chloroform	370	350000		1.1 U	1.1 U	1 U	1 U *	120 U	1.8
Chloromethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
cis-1,2-Dichloroethene	250	500000		0.95 J	1.1 U	1 U	1 U	120 U	1.2 U
cis-1,3-Dichloropropene	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Cyclohexane	--	--		1.1 U	0.23 J	1 U	1 U	120 U	15
Dibromochloromethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Dibromochloropropane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U

Table 2. Summary of Volatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-3	SB-4	SB-4	SB-5	SB-5	SB-5
			Sample Date:	5/22/2013	5/22/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	11-13	0-2	8-10	0-2	10-12	13-15
Dichlorodifluoromethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Ethylbenzene	1000	390000		1.1 U	0.35 J	0.6 J	1 U	900	7.9
Freon 113	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Isopropylbenzene	--	--		1.1 U	0.57 J	0.61 J	1 U	6900	23
Methyl acetate	--	--		1.1 U	1.1 U	1 U	1 U	250 U	1.2 U
Methylcyclohexane	--	--		1.1 U	0.83 J	0.58 J	1 U	6700	18
Methylene chloride	50	500000		0.27 J	1.1 U	0.84 J	1.3 B	**350 B**	1.2 U
MTBE	930	500000		1.1 U	1.1 U	1 U	1 U	23 J	9.4
Styrene	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Tetrachloroethene	1300	150000		4.5	68	15	1 U	120 U	1.2 U
Toluene	700	500000		0.3 J B	0.38 J B	0.98 J B	1 U	120	7.3 B
trans-1,2-Dichloroethene	190	500000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
trans-1,3-Dichloropropene	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Trichloroethene	470	200000		0.49 J	0.18 J	1 U	1 U	120 U	1.2 U
Trichlorofluoromethane	--	--		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Vinyl chloride	20	13000		1.1 U	1.1 U	1 U	1 U	120 U	1.2 U
Xylenes (total)	260	500000		3.3 U	3.1 J	4.3	3.1 U	**560**	6.2

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 2. Summary of Volatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-6	SB-6	SB-7	SB-7
			Sample Date:	5/21/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	11-12.5	0-2	8-10
1,1,1-Trichloroethane	680	500000		1.1 U	1.2 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
1,1,2-Trichloroethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
1,1-Dichloroethane	270	240000		1.1 U	1.2 U	1.1 U	1.1 U
1,1-Dichloroethene	330	500000		1.1 U	1.2 U	1.1 U	1.1 U
1,2,3-Trichlorobenzene	--	--		1.1 U	1.2 U	1.1 U	1.1 U
1,2,4-Trichlorobenzene	--	--		1.1 U	1.2 U	1.1 U	1.1 U
1,2-Dibromoethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
1,2-Dichlorobenzene	1100	500000		1.1 U	1.2 U	1.1 U	1.1 U
1,2-Dichloroethane	20	30000		1.1 U *	1.2 U	1.1 U *	1.1 U *
1,2-Dichloropropane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
1,3-Dichlorobenzene	2400	280000		1.1 U	1.2 U	1.1 U	1.1 U
1,4-Dichlorobenzene	1800	130000		1.1 U	1.2 U	1.1 U	1.1 U
1,4-Dioxane	100	130000		53 U	61 U	54 U	54 U
2-Butanone (MEK)	120	500000		11 U *	3.9 J	11 U *	11 U *
2-Hexanone	--	--		11 U	12 U	11 U	11 U
4-Methyl-2-pentanone (MIBK)	--	--		11 U	12 U	11 U	11 U
Acetone	50	500000		14 B	32 B	10 J B	11 B
Benzene	60	44000		1.1 U	0.84 J	1.1 U	1.1 U
Bromochloromethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Bromodichloromethane	--	--		1.1 U *	1.2 U	1.1 U *	1.1 U *
Bromoform	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Bromomethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Carbon disulfide	--	--		1.1 U	1.4	1.1 U	1.1 U
Carbon tetrachloride	760	22000		1.1 U	1.2 U	1.1 U	1.1 U
Chlorobenzene	1100	500000		1.1 U	1.2 U	1.1 U	1.1 U
Chloroethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Chloroform	370	350000		1.1 U *	1.2 U	1.1 U *	1.1 U *
Chloromethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
cis-1,2-Dichloroethene	250	500000		1.1 U	1.2 U	1.1 U	1.1 U
cis-1,3-Dichloropropene	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Cyclohexane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Dibromochloromethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Dibromochloropropane	--	--		1.1 U	1.2 U	1.1 U	1.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-6	SB-6	SB-7	SB-7
			Sample Date:	5/21/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	11-12.5	0-2	8-10
Dichlorodifluoromethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Ethylbenzene	1000	390000		1.1 U	1.2 U	1.1 U	1.1 U
Freon 113	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Isopropylbenzene	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Methyl acetate	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Methylcyclohexane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Methylene chloride	50	500000		1.1 U	1.7	1.1 U	1.1 U
MTBE	930	500000		1.1 U	1.2 U	1.1 U	1.1 U
Styrene	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Tetrachloroethene	1300	150000		0.48 J	0.24 J	1.1 U	1.1 U
Toluene	700	500000		1.1 U	1.9 B	1.1 U	1.1 U
trans-1,2-Dichloroethene	190	500000		1.1 U	1.2 U	1.1 U	1.1 U
trans-1,3-Dichloropropene	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Trichloroethene	470	200000		1.1 U	1.2 U	1.1 U	1.1 U
Trichlorofluoromethane	--	--		1.1 U	1.2 U	1.1 U	1.1 U
Vinyl chloride	20	13000		1.1 U	1.2 U	1.1 U	1.1 U
Xylenes (total)	260	500000		3.2 U	3.6 U	3.2 U	3.2 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-1 DUP	SB-1	SB-2	SB-2	SB-3
			Sample Date:	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	0-2	12-14	0-2	11-13	0-2
1,1'-Biphenyl	--	--		370 U	370 U	400 U	370 U	390 U	370 U
1,2,4,5-Tetrachlorobenzene	--	--		370 U	370 U	400 U *	370 U	390 U	370 U
1,4-Dioxane	100	130000		370 U	370 U	400 U	370 U	390 U	370 U
2,2'-oxybis (1-chloropropane)	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2,3,4,6-Tetrachlorophenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2,4,5-Trichlorophenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2,4,6-Trichlorophenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2,4-Dichlorophenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2,4-Dimethylphenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2,4-Dinitrophenol	--	--		1100 U	1100 U	1200 U	1100 U	1200 U	1100 U
2,4-Dinitrotoluene	--	--		75 U	75 U	81 U	75 U	79 U	75 U
2,6-Dinitrotoluene	--	--		75 U	75 U	81 U	75 U	79 U	75 U
2-Chloronaphthalene	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2-Chlorophenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
2-Methylnaphthalene	--	--		370 U	370 U	65 J	370 U	390 U	370 U
2-Methylphenol	330	500000		370 U	370 U	400 U	370 U	390 U	370 U
2-Nitroaniline	--	--		750 U	750 U	810 U	750 U	790 U	750 U
2-Nitrophenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
3,3'-Dichlorobenzidine	--	--		750 U	750 U	810 U	750 U	790 U	750 U
3-Nitroaniline	--	--		750 U	750 U	810 U	750 U	790 U	750 U
4,6-Dinitro-2-methylphenol	--	--		1100 U	1100 U	1200 U	1100 U	1200 U	1100 U
4-Bromophenyl phenyl ether	--	--		370 U	370 U	400 U	370 U	390 U	370 U
4-Chloro-3-methylphenol	--	--		370 U	370 U	400 U	370 U	390 U	370 U
4-Chloroaniline	--	--		370 U	370 U	400 U	370 U	390 U	370 U
4-Chlorophenyl phenyl ether	--	--		370 U	370 U	400 U	370 U	390 U	370 U
4-Methylphenol	330	500000		370 U	370 U	400 U	370 U	390 U	370 U
4-Nitroaniline	--	--		750 U	750 U	810 U	750 U	790 U	750 U
4-Nitrophenol	--	--		1100 U	1100 U	1200 U	1100 U	1200 U	1100 U
Acenaphthene	20000	500000		370 U	370 U	77 J	300 J	390 U	370 U
Acenaphthylene	100000	500000		370 U	370 U	120 J	370 U	390 U	370 U
Acetophenone	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Anthracene	100000	500000		370 U	88 J	310 J	720	390 U	180 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-1 DUP	SB-1	SB-2	SB-2	SB-3
			Sample Date:	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	0-2	12-14	0-2	11-13	0-2
Atrazine	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Benzaldehyde	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Benzo[a]anthracene	1000	5600		200	290	**1400**	**1700**	13 J	540
Benzo[a]pyrene	1000	1000		260	320	**1400**	**1600**	39 U	500
Benzo[b]fluoranthene	1000	5600		340	410	**1700**	**1900**	10 J	640
Benzo[g,h,i]perylene	100000	500000		170 J	200 J	520	1300	390 U	290 J
Benzo[k]fluoranthene	800	56000		100	180	40 U	**1100**	39 U	230
Bis(2-chloroethoxy)methane	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Bis(2-chloroethyl) ether	--	--		37 U	37 U	40 U	37 U	39 U	37 U
Bis(2-ethylhexyl) phthalate	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Butylbenzyl phthalate	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Caprolactam	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Carbazole	--	--		370 U	370 U	99 J	250 J	390 U	77 J
Chrysene	1000	56000		260 J	360 J	**1400**	**1800**	390 U	530
Dibenzo[a,h]anthracene	330	560		46	55	160	260	39 U	69
Dibenzofuran	7000	350000		370 U	370 U	400 U	150 J	390 U	370 U
Diethyl phthalate	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Dimethyl phthalate	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Di-n-butyl phthalate	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Di-n-octyl phthalate	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Fluoranthene	100000	500000		410	730	2200	3200	390 U	1300
Fluorene	30000	500000		370 U	370 U	84 J	290 J	390 U	370 U
Hexachlorobenzene	330	6000		37 U	37 U	40 U	37 U	39 U	37 U
Hexachlorobutadiene	--	--		75 U	75 U	81 U	75 U	79 U	75 U
Hexachlorocyclopentadiene	--	--		370 U	370 U	400 U	370 U	390 U	370 U
Hexachloroethane	--	--		37 U	37 U	40 U	37 U	39 U	37 U
Indeno[1,2,3-cd]pyrene	500	5600		200	240	**620**	**1500**	39 U	330
Isophorone	--	--		370 U	370 U	400 U	97 J	390 U	370 U
Naphthalene	12000	500000		370 U	370 U	88 J	82 J	390 U	46 J
Nitrobenzene	--	--		37 U	37 U	40 U	37 U	39 U	37 U
n-Nitrosodi-n-propylamine	--	--		37 U	37 U	40 U	37 U	39 U	37 U
n-Nitrosodiphenylamine	--	--		370 U	370 U	400 U	370 U	390 U	370 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-1	SB-1 DUP	SB-1	SB-2	SB-2	SB-3
			Sample Date:	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	0-2	12-14	0-2	11-13	0-2
Pentachlorophenol	800	6700		1100 U	1100 U	1200 U	1100 U	1200 U	1100 U
Phenanthrene	100000	500000		120 J	370	800	2900	390 U	690
Phenol	330	500000		370 U	370 U	400 U	370 U	390 U	370 U
Pyrene	100000	500000		210 J	330 J	1800	3300	390 U	590

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-3 5/22/2013 11-13	SB-4 5/22/2013 0-2	SB-4 5/22/2013 8-10	SB-5 5/21/2013 0-2	SB-5 5/21/2013 10-12	SB-5 5/21/2013 13-15
1,1'-Biphenyl	--	--		3800 U DIL	160 J	370 U	730 U	4500 U DIL	450 U
1,2,4,5-Tetrachlorobenzene	--	--		3800 U * DIL	740 U *	370 U *	730 U	4500 U * DIL	450 U *
1,4-Dioxane	100	130000		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,2'-oxybis (1-chloropropane)	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,3,4,6-Tetrachlorophenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,4,5-Trichlorophenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,4,6-Trichlorophenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,4-Dichlorophenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,4-Dimethylphenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2,4-Dinitrophenol	--	--		12000 U DIL	2200 U	1100 U	2200 U	14000 U DIL	1400 U
2,4-Dinitrotoluene	--	--		780 U DIL	150 U	74 U	150 U	910 U DIL	91 U
2,6-Dinitrotoluene	--	--		780 U DIL	150 U	74 U	150 U	910 U DIL	91 U
2-Chloronaphthalene	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2-Chlorophenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2-Methylnaphthalene	--	--		3800 U DIL	820	460	730 U	6900 DIL	1300
2-Methylphenol	330	500000		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
2-Nitroaniline	--	--		7800 U DIL	1500 U	740 U	1500 U	9100 U DIL	910 U
2-Nitrophenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
3,3'-Dichlorobenzidine	--	--		7800 U DIL	1500 U	740 U	1500 U	9100 U DIL	910 U
3-Nitroaniline	--	--		7800 U DIL	1500 U	740 U	1500 U	9100 U DIL	910 U
4,6-Dinitro-2-methylphenol	--	--		12000 U DIL	2200 U	1100 U	2200 U	14000 U DIL	1400 U
4-Bromophenyl phenyl ether	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
4-Chloro-3-methylphenol	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
4-Chloroaniline	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
4-Chlorophenyl phenyl ether	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
4-Methylphenol	330	500000		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
4-Nitroaniline	--	--		7800 U DIL	1500 U	740 U	1500 U	9100 U DIL	910 U
4-Nitrophenol	--	--		12000 U DIL	2200 U	1100 U	2200 U	14000 U DIL	1400 U
Acenaphthene	20000	500000		3800 U DIL	460 J	90 J	730 U	4500 U DIL	450 U
Acenaphthylene	100000	500000		2500 J DIL	420 J	94 J	730 U	4500 U DIL	450 U
Acetophenone	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Anthracene	100000	500000		2800 J DIL	1700	230 J	730 U	4500 U DIL	450 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-3 5/22/2013 11-13	SB-4 5/22/2013 0-2	SB-4 5/22/2013 8-10	SB-5 5/21/2013 0-2	SB-5 5/21/2013 10-12	SB-5 5/21/2013 13-15
Atrazine	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Benzaldehyde	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Benzo[a]anthracene	1000	5600		**21000 DIL**	**4800**	730	73 U	450 U DIL	200
Benzo[a]pyrene	1000	1000		**23000 DIL**	**4100**	690	73 U	460 DIL	200
Benzo[b]fluoranthene	1000	5600		**25000 DIL**	**4600**	790	73 U	480 DIL	260
Benzo[g,h,i]perylene	100000	500000		16000 DIL	2200	350 J	140 J	470 J DIL	160 J
Benzo[k]fluoranthene	800	56000		**11000 DIL**	**2000**	360	73 U	450 U DIL	120
Bis(2-chloroethoxy)methane	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Bis(2-chloroethyl) ether	--	--		380 U DIL	74 U	37 U	73 U	450 U DIL	45 U
Bis(2-ethylhexyl) phthalate	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Butylbenzyl phthalate	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Caprolactam	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Carbazole	--	--		620 J DIL	760	100 J	730 U	4500 U DIL	450 U
Chrysene	1000	56000		**20000 DIL**	**5300**	850	730 U	4500 U DIL	240 J
Dibenzo[a,h]anthracene	330	560		**3900 DIL**	**690**	100	73 U	110 J DIL	40 J
Dibenzofuran	7000	350000		3800 U DIL	470 J	54 J	730 U	4500 U DIL	450 U
Diethyl phthalate	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Dimethyl phthalate	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Di-n-butyl phthalate	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Di-n-octyl phthalate	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Fluoranthene	100000	500000		36000 DIL	7200	1300	730 U	820 J DIL	390 J
Fluorene	30000	500000		920 J DIL	740	100 J	730 U	910 J DIL	99 J
Hexachlorobenzene	330	6000		380 U DIL	74 U	37 U	73 U	450 U DIL	45 U
Hexachlorobutadiene	--	--		780 U DIL	150 U	74 U	150 U	910 U DIL	91 U
Hexachlorocyclopentadiene	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Hexachloroethane	--	--		380 U DIL	74 U	37 U	73 U	450 U DIL	45 U
Indeno[1,2,3-cd]pyrene	500	5600		**18000 DIL**	**2400**	380	73 U	250 J DIL	150
Isophorone	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Naphthalene	12000	500000		3800 U DIL	840	210 J	730 U	1400 J DIL	1500
Nitrobenzene	--	--		380 U DIL	74 U	37 U	73 U	450 U DIL	45 U
n-Nitrosodi-n-propylamine	--	--		380 U DIL	74 U	37 U	73 U	450 U DIL	45 U
n-Nitrosodiphenylamine	--	--		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-3 5/22/2013 11-13	SB-4 5/22/2013 0-2	SB-4 5/22/2013 8-10	SB-5 5/21/2013 0-2	SB-5 5/21/2013 10-12	SB-5 5/21/2013 13-15
Pentachlorophenol	800	6700		12000 U DIL	2200 U	1100 U	2200 U	14000 U DIL	1400 U
Phenanthrene	100000	500000		8100 DIL	8400	1100	730 U	1300 J DIL	250 J
Phenol	330	500000		3800 U DIL	740 U	370 U	730 U	4500 U DIL	450 U
Pyrene	100000	500000		43000 DIL	7300	1200	730 U	1100 J DIL	400 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-6	SB-6	SB-7	SB-7
			Sample Date:	5/21/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	11-12.5	0-2	8-10
1,1'-Biphenyl	--	--		370 U	410 U	370 U	360 U
1,2,4,5-Tetrachlorobenzene	--	--		370 U	410 U *	370 U	360 U
1,4-Dioxane	100	130000		370 U	410 U	370 U	360 U
2,2'-oxybis (1-chloropropane)	--	--		370 U	410 U	370 U	360 U
2,3,4,6-Tetrachlorophenol	--	--		370 U	410 U	370 U	360 U
2,4,5-Trichlorophenol	--	--		370 U	410 U	370 U	360 U
2,4,6-Trichlorophenol	--	--		370 U	410 U	370 U	360 U
2,4-Dichlorophenol	--	--		370 U	410 U	370 U	360 U
2,4-Dimethylphenol	--	--		370 U	410 U	370 U	360 U
2,4-Dinitrophenol	--	--		1100 U	1200 U	1100 U	1100 U
2,4-Dinitrotoluene	--	--		76 U	82 U	74 U	74 U
2,6-Dinitrotoluene	--	--		76 U	82 U	74 U	74 U
2-Chloronaphthalene	--	--		370 U	410 U	370 U	360 U
2-Chlorophenol	--	--		370 U	410 U	370 U	360 U
2-Methylnaphthalene	--	--		370 U	410 U	370 U	360 U
2-Methylphenol	330	500000		370 U	410 U	370 U	360 U
2-Nitroaniline	--	--		760 U	820 U	740 U	740 U
2-Nitrophenol	--	--		370 U	410 U	370 U	360 U
3,3'-Dichlorobenzidine	--	--		760 U	820 U	740 U	740 U
3-Nitroaniline	--	--		760 U	820 U	740 U	740 U
4,6-Dinitro-2-methylphenol	--	--		1100 U	1200 U	1100 U	1100 U
4-Bromophenyl phenyl ether	--	--		370 U	410 U	370 U	360 U
4-Chloro-3-methylphenol	--	--		370 U	410 U	370 U	360 U
4-Chloroaniline	--	--		370 U	410 U	370 U	360 U
4-Chlorophenyl phenyl ether	--	--		370 U	410 U	370 U	360 U
4-Methylphenol	330	500000		370 U	410 U	370 U	360 U
4-Nitroaniline	--	--		760 U	820 U	740 U	740 U
4-Nitrophenol	--	--		1100 U	1200 U	1100 U	1100 U
Acenaphthene	20000	500000		370 U	410 U	110 J	360 U
Acenaphthylene	100000	500000		370 U	410 U	370 U	360 U
Acetophenone	--	--		370 U	410 U	370 U	360 U
Anthracene	100000	500000		92 J	410 U	230 J	96 J

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-6	SB-6	SB-7	SB-7
			Sample Date:	5/21/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	11-12.5	0-2	8-10
Atrazine	--	--		370 U	410 U	370 U	360 U
Benzaldehyde	--	--		370 U	410 U	370 U	360 U
Benzo[a]anthracene	1000	5600		400	41 U	610	260
Benzo[a]pyrene	1000	1000		460	51	560	240
Benzo[b]fluoranthene	1000	5600		550	65	720	290
Benzo[g,h,i]perylene	100000	500000		320 J	48 J	560	150 J
Benzo[k]fluoranthene	800	56000		230	41 U	330	140
Bis(2-chloroethoxy)methane	--	--		370 U	410 U	370 U	360 U
Bis(2-chloroethyl) ether	--	--		37 U	41 U	37 U	36 U
Bis(2-ethylhexyl) phthalate	--	--		370 U	410 U	370 U	360 U
Butylbenzyl phthalate	--	--		370 U	410 U	370 U	360 U
Caprolactam	--	--		370 U	410 U	370 U	360 U
Carbazole	--	--		44 J	410 U	140 J	57 J
Chrysene	1000	56000		440	50 J	730	290 J
Dibenzo[a,h]anthracene	330	560		97	41 U	76	21 J
Dibenzofuran	7000	350000		370 U	410 U	68 J	360 U
Diethyl phthalate	--	--		370 U	410 U	370 U	360 U
Dimethyl phthalate	--	--		370 U	410 U	370 U	360 U
Di-n-butyl phthalate	--	--		370 U	410 U	370 U	360 U
Di-n-octyl phthalate	--	--		370 U	410 U	370 U	360 U
Fluoranthene	100000	500000		860	70 J	1300	580
Fluorene	30000	500000		370 U	410 U	120 J	360 U
Hexachlorobenzene	330	6000		37 U	41 U	37 U	36 U
Hexachlorobutadiene	--	--		76 U	82 U	74 U	74 U
Hexachlorocyclopentadiene	--	--		370 U	410 U	370 U	360 U
Hexachloroethane	--	--		37 U	41 U	37 U	36 U
Indeno[1,2,3-cd]pyrene	500	5600		350	41	**630**	170
Isophorone	--	--		370 U	410 U	370 U	360 U
Naphthalene	12000	500000		370 U	410 U	50 J	360 U
Nitrobenzene	--	--		37 U	41 U	37 U	36 U
n-Nitrosodi-n-propylamine	--	--		37 U	41 U	37 U	36 U
n-Nitrosodiphenylamine	--	--		370 U	410 U	370 U	360 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-6	SB-6	SB-7	SB-7
			Sample Date:	5/21/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	11-12.5	0-2	8-10
Pentachlorophenol	800	6700		1100 U	1200 U	1100 U	1100 U
Phenanthrene	100000	500000		310 J	55 J	1200	530
Phenol	330	500000		370 U	410 U	370 U	360 U
Pyrene	100000	500000		390	100 J	1100	530

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 4. Summary of Metals in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	SB-1	SB-1 DUP	SB-1	SB-2	SB-2	SB-3	SB-3
			Sample Date:	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013	5/22/2013
			Sample Depth (ft bls):	0-2	0-2	12-14	0-2	11-13	0-2	11-13
Aluminum	--	--		6360	5240	4240	9870	12200	5920	8560
Antimony	--	--		2.2 U	2.1 U	1.8 U	2.2 U	1.8 U	2 U	1.7 U
Arsenic	13	16		5.1	5.6	5.2	5	3	12.5	2.9
Barium	350	400		79.8	97	184	315	76.3	**365**	87.1
Beryllium	7.2	590		0.27 J	0.27 J	0.13 J	0.26 J	0.32 J	0.41	0.22 J
Cadmium	2.5	9.3		0.46 J	0.48 J	0.72 J	0.67 J	0.91 U	0.93 J	0.21 J
Calcium	--	--		30300	29200	23500	31900	2670	29800	36200
Chromium	30	1500		15.1	11.6	13.1	21.9	24.1	19.9	15.5
Cobalt	--	--		4.6 J	3.9 J	4.1 J	7.4 J	7.3 J	6.3 J	5.6 J
Copper	50	270		**79.6**	**53.8**	**635**	**117**	22.1	**199**	28.1
Cyanide, Free	27	27		0.069 J	0.11 U	0.12 U	0.11 U	0.12 U	0.31	0.12 U
Iron	--	--		11400	10200	10000	16800	18000	24700	13300
Lead	63	1000		**85.9**	**87.2**	**143**	**153**	46.2	**299**	**269**
Magnesium	--	--		13600	11000	7240	11200	5060	8340	21200
Manganese	1600	10000		236	190	169	356	227	233	133
Mercury	0.18	2.8		0.13	0.13	0.17	0.13	0.032	**0.31**	0.11
Nickel	30	310		12.2	11.3	18.9	19.5	16.3	25.3	14.4
Potassium	--	--		1060 J	796 J	751 J	1800	1340	1010 J	923
Selenium	3.9	1500		2.2 U	2.1 U	1.8 U	2.2 U	1.8 U	2 U	1.7 U
Silver	2	1500		2.2 U	2.1 U	1.8 U	2.2 U	1.8 U	0.41 J	1.7 U
Sodium	--	--		1090 U	1070 U	923 U	1080 U	911 U	1020 U	846 U
Thallium	--	--		2.2 U	2.1 U	1.8 U	2.2 U	1.8 U	2 U	1.7 U
Vanadium	--	--		24.8	23.3	16.4	28.7	30.1	40.3	25.9
Zinc	109	10000		**118**	**111**	**600**	**299**	70.2	**367**	**115**

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

Table 4. Summary of Metals in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:**	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-7
			Sample Date:	5/22/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	8-10	0-2	10-12	0-2	11-12.5	0-2
Aluminum	--	--		10800	27700	12700	12300	8410	7770	10200
Antimony	--	--		1.6 U	2.2 U	2.1 U	2.1 U	1.8 U	1.7 U	1.9 U
Arsenic	13	16		8.2	4.3	2.1	3.9	**19.5**	2.9	6.4
Barium	350	400		192	342	116	66.6	278	**352**	141
Beryllium	7.2	590		0.31 U	0.44 U	0.41 U	0.27 J	0.5	0.33 U	0.29 J
Cadmium	2.5	9.3		0.57 J	1.1 U	1 U	1.1 U	1.2	0.25 J	1.3
Calcium	--	--		29800	32600	6360	4110	31200	63500	42300
Chromium	30	1500		28.6	**49.3**	28	19.2	18.8	14.7	27.7
Cobalt	--	--		8.7	13.6	11.1	7.6 J	6.5 J	4.7 J	7.2 J
Copper	50	270		**464**	**57.8**	26.9	21	**124**	18.1	**122**
Cyanide, Free	27	27		0.08 J	0.11 U	0.13	0.14 U	0.082 J	0.12 U	0.31
Iron	--	--		22200	37900	22800	17300	17500	13400	20600
Lead	63	1000		**243**	**139**	**74.6**	**80.5**	**382**	**601**	**236**
Magnesium	--	--		12200	18100	8330	4140	10800	25300	11100
Manganese	1600	10000		337	350	340	263	284	189	332
Mercury	0.18	2.8		0.17	0.091	0.089	0.11	**0.28**	0.074	0.13
Nickel	30	310		**35.5**	**36**	21.1	14.5	**40.4**	12.5	23.5
Potassium	--	--		2980	8800	3050	894 J	1160	1360	1710
Selenium	3.9	1500		1.6 U	2.2 U	2.1 U	2.1 U	1.9	1.7 U	1.9 U
Silver	2	1500		1.6 U	2.2 U	2.1 U	2.1 U	0.18 J	1.7 U	1.9 U
Sodium	--	--		126 J	382 J	1030 U	1060 U	186 J	205 J	946 U
Thallium	--	--		1.6 U	2.2 U	2.1 U	2.1 U	1.8 U	1.7 U	1.9 U
Vanadium	--	--		33.6	83	41.8	23.4	138	19.2	36.6
Zinc	109	10000		**260**	**164**	90.5	80.6	**376**	**243**	**225**

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

Table 4. Summary of Metals in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (mg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-7 5/21/2013 8-10
Aluminum	--	--		9580
Antimony	--	--		2.1 U
Arsenic	13	16		8.7
Barium	350	400		95.1
Beryllium	7.2	590		0.29 J
Cadmium	2.5	9.3		0.29 J
Calcium	--	--		11300
Chromium	30	1500		24.9
Cobalt	--	--		9.5 J
Copper	50	270		**54.3**
Cyanide, Free	27	27		0.11 U
Iron	--	--		22600
Lead	63	1000		**178**
Magnesium	--	--		8340
Manganese	1600	10000		308
Mercury	0.18	2.8		0.19
Nickel	30	310		20.1
Potassium	--	--		1950
Selenium	3.9	1500		2.1 U
Silver	2	1500		2.1 U
Sodium	--	--		1040 U
Thallium	--	--		2.1 U
Vanadium	--	--		32.7
Zinc	109	10000		**171**

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

Table 5. Summary of Polychlorinated Biphenyls in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	FB052113-Soil	SB-1	SB-1 DUP	SB-1	SB-2	SB-2
			Sample Date:	5/21/2013	5/21/2013	5/21/2013	5/22/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	-	0-2	0-2	12-14	0-2	11-13
Aroclor-1016	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1221	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1232	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1242	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1248	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1254	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1260	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1262	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor-1268	--	--		0.4 U	75 U	75 U	81 U	75 U	79 U
Aroclor (Total)	100	1000		0.4 U	75 U	75 U	81 U	75 U	79 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 5. Summary of Polychlorinated Biphenyls in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6
			Sample Date:	5/21/2013	5/22/2013	5/22/2013	5/22/2013	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	0-2	11-13	0-2	8-10	0-2	10-12	0-2
Aroclor-1016	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1221	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1232	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1242	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1248	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1254	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1260	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1262	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor-1268	--	--		75 U	78 U	75 U	74 U	74 U	90 U	76 U
Aroclor (Total)	100	1000		75 U	78 U	75 U	74 U	74 U	90 U	76 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 5. Summary of Polychlorinated Biphenyls in Soil, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	**Sample Designation:**	SB-6	SB-7	SB-7
			Sample Date:	5/21/2013	5/21/2013	5/21/2013
			Sample Depth (ft bls):	11-12.5	0-2	8-10
Aroclor-1016	--	--		82 U	74 U	74 U
Aroclor-1221	--	--		82 U	74 U	74 U
Aroclor-1232	--	--		82 U	74 U	74 U
Aroclor-1242	--	--		82 U	74 U	74 U
Aroclor-1248	--	--		82 U	74 U	74 U
Aroclor-1254	--	--		82 U	74 U	74 U
Aroclor-1260	--	--		82 U	74 U	74 U
Aroclor-1262	--	--		82 U	74 U	74 U
Aroclor-1268	--	--		82 U	74 U	74 U
Aroclor (Total)	100	1000		82 U	74 U	74 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

B - The analyte was found in an associated blank as well as in the sample

* - LCS or LCSP exceeds the control limits

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

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

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

Table 6. Summary of Volatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-1/MW-1 5/22/2013	SB-5/MW-5 5/22/2013	SB-6/MW-6 5/22/2013	SB-6/MW-6 DUP 5/22/2013	FB052213-Water 5/22/2013
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5		1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5		1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	--		1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	--		50 U	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50		5 U	3.9 J	5 U	5 U	**77**
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U
Acetone	50		5 U	17	5 U	5 U	44
Benzene	1		1 U	**400**	1 U	1 U	1 U
Bromochloromethane	5		1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	2.3	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	0.32 J	0.33 J	1 U
Chloromethane	--		1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		0.83 J	1 U	0.31 J	0.25 J	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U	1 U
Cyclohexane	--		1 U	5.2	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U
Dibromochloropropane	--		1 U	1 U	1 U	1 U	1 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-1/MW-1 5/22/2013	SB-5/MW-5 5/22/2013	SB-6/MW-6 5/22/2013	SB-6/MW-6 DUP 5/22/2013	FB052213-Water 5/22/2013
Dichlorodifluoromethane	5		1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	3.2	1 U	1 U	1 U
Freon 113	--		1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5		1 U	**16**	1 U	1 U	1 U
Methyl acetate	--		2 U	2 U	2 U	2 U	2 U
Methylcyclohexane	--		1 U	5.7	1 U	1 U	1 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1
MTBE	10		0.44 J	**42**	1 U	1 U	1 U
Styrene	5		1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		**7.1**	1 U	0.24 J	0.18 J	1 U
Toluene	5		1 U	3.1	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--		1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		0.55 J	1 U	0.18 J	0.23 J	1 U
Trichlorofluoromethane	5		1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		0.27 J	1 U	1 U	1 U	1 U
Xylenes (total)	5		3 U	2.4 J	3 U	3 U	3 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 6. Summary of Volatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	Trip Blank 5/21/2013	TRIP 5/21/2013
1,1,1-Trichloroethane	5		1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U
1,1-Dichloroethane	5		1 U	1 U
1,1-Dichloroethene	5		1 U	1 U
1,2,3-Trichlorobenzene	5		1 U	1 U
1,2,4-Trichlorobenzene	5		1 U	1 U
1,2-Dibromoethane	--		1 U	1 U
1,2-Dichlorobenzene	3		1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U
1,2-Dichloropropane	1		1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U
1,4-Dioxane	--		50 U	50 U
2-Butanone (MEK)	50		5 U	5 U
2-Hexanone	50		5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U
Acetone	50		35	33
Benzene	1		1 U	1 U
Bromochloromethane	5		1 U	1 U
Bromodichloromethane	50		1 U	1 U
Bromoform	50		1 U	1 U
Bromomethane	5		1 U	1 U
Carbon disulfide	60		1 U	1 U
Carbon tetrachloride	5		1 U	1 U
Chlorobenzene	5		1 U	1 U
Chloroethane	5		1 U	1 U
Chloroform	7		1 U	1 U
Chloromethane	--		1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U
Cyclohexane	--		1 U	1 U
Dibromochloromethane	50		1 U	1 U
Dibromochloropropane	--		1 U	1 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	Trip Blank 5/21/2013	TRIP 5/21/2013
Dichlorodifluoromethane	5		1 U	1 U
Ethylbenzene	5		1 U	1 U
Freon 113	--		1 U	1 U
Isopropylbenzene	5		1 U	1 U
Methyl acetate	--		2 U	2 U
Methylcyclohexane	--		1 U	1 U
Methylene chloride	5		1 U	1 U
MTBE	10		1 U	1 U
Styrene	5		1 U	1 U
Tetrachloroethene	5		1 U	1 U
Toluene	5		1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U
trans-1,3-Dichloropropene	--		1 U	1 U
Trichloroethene	5		1 U	1 U
Trichlorofluoromethane	5		1 U	1 U
Vinyl chloride	2		1 U	1 U
Xylenes (total)	5		3 U	3 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-1/MW-1 5/22/2013	SB-5/MW-5 5/22/2013	SB-6/MW-6 5/22/2013	SB-6/MW-6 DUP 5/22/2013	FB052213-Water 5/22/2013
1,1'-Biphenyl	--		10 U	10 U	10 U	10 U	10 U
1,2,4,5-Tetrachlorobenzene	--		10 U	10 U	10 U	10 U	10 U
2,2'-oxybis (1-chloropropane)	5		10 U	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	--		10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--		10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--		10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5		10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50		10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10		30 U	30 U	30 U	30 U	30 U
2,4-Dinitrotoluene	5		2 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5		2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10		10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	--		10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--		10 U	3.4 J	10 U	10 U	10 U
2-Methylphenol	--		10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5		20 U	20 U	20 U	20 U	20 U
2-Nitrophenol	--		10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5		20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	5		20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-methylphenol	--		30 U	30 U	30 U	30 U	30 U
4-Bromophenyl phenyl ether	--		10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	--		10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5		10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	--		10 U	10 U	10 U	10 U	10 U
4-Methylphenol	--		10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5		20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	--		30 U	30 U	30 U	30 U	30 U
Acenaphthene	20		10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20		10 U	10 U	10 U	10 U	10 U
Acetophenone	--		10 U	10 U	10 U	10 U	10 U
Anthracene	50		10 U	10 U	10 U	10 U	10 U
Atrazine	--		10 U	10 U	10 U	10 U	10 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-1/MW-1 5/22/2013	SB-5/MW-5 5/22/2013	SB-6/MW-6 5/22/2013	SB-6/MW-6 DUP 5/22/2013	FB052213-Water 5/22/2013
Benzaldehyde	--		10 U	10 U	10 U	10 U	10 U
Benzo[a]anthracene	0.002		1 U	1 U	1 U	1 U	1 U
Benzo[a]pyrene	0		1 U	1 U	1 U	1 U	1 U
Benzo[b]fluoranthene	0.002		1 U	1 U	1 U	1 U	1 U
Benzo[g,h,i]perylene	--		10 U	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002		1 U	1 U	1 U	1 U	1 U
Bis(2-chloroethoxy)methane	5		10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl) ether	--		1 U	1 U	1 U	1 U	1 U
Bis(2-ethylhexyl) phthalate	5		10 U	10 U	10 U	10 U	10 U
Butylbenzyl phthalate	50		10 U	10 U	10 U	10 U	10 U
Caprolactam	--		10 U	10 U	10 U	10 U	10 U
Carbazole	--		10 U	10 U	10 U	10 U	10 U
Chrysene	0.002		10 U	10 U	10 U	10 U	10 U
Dibenzo[a,h]anthracene	--		1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--		10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	50		10 U	1.7 J	10 U	10 U	10 U
Dimethyl phthalate	50		10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50		10 U	10 U	10 U	1.6 J	1.1 J
Di-n-octyl phthalate	--		10 U	10 U	10 U	10 U	10 U
Fluoranthene	50		10 U	10 U	10 U	10 U	10 U
Fluorene	50		10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04		1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5		2 U	2 U	2 U	2 U	2 U
Hexachlorocyclopentadiene	5		10 U *	10 U *	10 U *	10 U *	10 U *
Hexachloroethane	5		1 U	1 U	1 U	1 U	1 U
Indeno[1,2,3-cd]pyrene	0.002		1 U	1 U	1 U	1 U	1 U
Isophorone	50		10 U	10 U	10 U	10 U	10 U
Naphthalene	10		10 U	7.4 J	10 U	10 U	10 U
Nitrobenzene	0.4		1 U	1 U	1 U	1 U	1 U
n-Nitrosodi-n-propylamine	--		1 U	1 U	1 U	1 U	1 U
n-Nitrosodiphenylamine	50		10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1		30 U	30 U	30 U	30 U	30 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-1/MW-1 5/22/2013	SB-5/MW-5 5/22/2013	SB-6/MW-6 5/22/2013	SB-6/MW-6 DUP 5/22/2013	FB052213-Water 5/22/2013
Phenanthrene	50		10 U	10 U	10 U	10 U	10 U
Phenol	1		10 U	**6.4 J**	10 U	10 U	10 U
Pyrene	50		10 U	10 U	10 U	10 U	10 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 8. Summary of Metals in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	FB052213-Water 5/22/2013 Filtered	SB-1/MW-1 5/22/2013	SB-1/MW-1 5/22/2013 Filtered	SB-5/MW-5 5/22/2013	SB-5/MW-5 5/22/2013 Filtered	SB-6/MW-6 5/22/2013
Aluminum	--		200 U	830	200 U	7940 B	200 U	6030 B
Antimony	3		10 U	10 U	10 U	10 U	10 U	10 U
Arsenic	25		5 U	5 U	5 U	5.1	5 U	5 U
Barium	1000		200 U	187 J	159 J	172 J	54.7 J	88.9 J
Beryllium	3		2 U	2 U	2 U	2 U	2 U	2 U
Cadmium	5		5 U	0.89 J	5 U	5 U	5 U	5 U
Calcium	--		5000 U	206000	209000	169000	163000	87500
Chromium	50		10 U	10 U	10 U	20	10 U	11.1
Cobalt	--		50 U	50 U	50 U	5.5 J	50 U	50 U
Copper	200		25 U	167	48.3	23.2 J	25 U	11.3 J
Cyanide, Free	200					10 U		10 U
Iron	300		150 U	**2440**	150 U	**40600**	150 U	**9080**
Lead	25		5 U	**31.6**	5 U	**53.4**	5 U	**46.1**
Magnesium	--		5000 U	22700	22900	38300	34500	12200
Manganese	300		15 U	**682**	**691**	**1910**	**1690**	**503**
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.3	0.2 U	0.2 U
Nickel	100		40 U	25 J	21.8 J	14.7 J	40 U	9 J
Potassium	--		5000 U	9640	9650	15100	14000	6390
Selenium	10		10 U	7.5 J	6.7 J	10 U	10 U	10 U
Silver	50		10 U	10 U	10 U	10 U	10 U	10 U
Sodium	20000		5000 U	**132000**	**136000**	**50200**	**49500**	17100
Thallium	0.5		10 U	10 U	10 U	10 U	10 U	10 U
Vanadium	--		50 U	4.9 J	50 U	20.4 J	50 U	12.4 J
Zinc	2000		30 U	589	493	73.3	30 U	38.6

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 8. Summary of Metals in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-6/MW-6 5/22/2013 Filtered	SB-6/MW-6 DUP 5/22/2013	SB-6/MW-6 DUP 5/22/2013 Filtered	FB052213-Water 5/22/2013
Aluminum	--		200 U	28800	83.8 J	200 U
Antimony	3		10 U	10 U	10 U	10 U
Arsenic	25		5 U	4.5 J	5 U	5 U
Barium	1000		30.2 J	269	35.4 J	200 U
Beryllium	3		2 U	0.99 J	2 U	2 U
Cadmium	5		5 U	5 U	5 U	5 U
Calcium	--		83000	84500	84000	5000 U
Chromium	50		10 U	**55.3**	10 U	10 U
Cobalt	--		50 U	14.6 J	50 U	50 U
Copper	200		25 U	47.2	25 U	25 U
Cyanide, Free	200			10 U		10 U
Iron	300		150 U	**35000**	150 U	150 U
Lead	25		5 U	**148**	5 U	5 U
Magnesium	--		9610	18900	9770	5000 U
Manganese	300		**380**	**756**	**363**	15 U
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100		40 U	39.6 J	40 U	40 U
Potassium	--		5500	9910	5690	5000 U
Selenium	10		10 U	10 U	10 U	10 U
Silver	50		10 U	10 U	10 U	10 U
Sodium	20000		15500	15200	16300	5000 U
Thallium	0.5		10 U	10 U	10 U	10 U
Vanadium	--		50 U	58.8	50 U	50 U
Zinc	2000		30 U	148	30 U	30 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
NA - Compound was not analyzed by laboratory

Table 9. Summary of Polychlorinated Biphenyls in Groundwater, 5530 Broadway, Bronx, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	SB-1/MW-1 5/22/2013	SB-5/MW-5 5/22/2013	SB-6/MW-6 5/22/2013	SB-6/MW-6 DUP 5/22/2013	FB052213-Water 5/22/2013
Aroclor-1016	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1221	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1232	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1242	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1248	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1254	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1260	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1262	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor-1268	--		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Aroclor (Total)	0.09		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
µg/L -Micrograms per liter
J - Estimated Value
U - Compound was analyzed for but not detected
DUP - Duplicate
- - No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 10. Summary of Volatile Organic Compounds in Soil Vapor, 5530 Broadway, Bronx, New York

Parameter (Concentrations in ug/m^3)	**Sample Designation:** / **Sample Date:**	SV-1 5/21/2013	SV-3 5/21/2013	SV-5 5/21/2013	SV-6 5/21/2013
Carbon tetrachloride		10 U	25 U	1.3 U	2.8 U
Trichloroethene		**9.2**	21 U	**0.39 J**	2.4 U
Vinyl chloride		4.1 U	10 U	0.51 U	1.1 U
1,1,1-Trichloroethane		8.7 U	22 U	1.1 U	2.4 U
1,1-Dichloroethene		6.3 U	16 U	0.79 U	1.7 U
cis-1,2-Dichloroethene		6.3 U	16 U	0.79 U	1.7 U
Tetrachloroethene		**1400**	**52**	**19**	**150**
1,1,2,2-Tetrachloroethane		11 U	27 U	1.4 U	3 U
1,1,2-Trichloroethane		8.7 U	22 U	1.1 U	2.4 U
1,1-Dichloroethane		6.5 U	16 U	0.81 U	1.8 U
1,2,4-Trichlorobenzene		30 U	73 U	3.7 U	8.2 U
1,2,4-Trimethylbenzene		**9.2**	**12 J**	0.98 U	**12**
1,2-Dibromoethane		12 U	30 U	1.5 U	3.4 U
1,2-Dichlorobenzene		9.6 U	24 U	1.2 U	2.6 U
1,2-Dichloroethane		6.5 U	16 U	0.81 U	1.8 U
1,2-Dichloroethene (total)		6.3 U	16 U	0.79 U	1.7 U
1,2-Dichloropropane		7.4 U	18 U	0.92 U	2 U
1,3,5-Trimethylbenzene		**2.7 J**	19 U	0.98 U	**3.4**
1,3-Butadiene		**9.3**	8.8 U	**1.4**	0.97 U
1,3-Dichlorobenzene		9.6 U	24 U	1.2 U	**2 J**
1,4-Dichlorobenzene		9.6 U	24 U	1.2 U	2.6 U
1,4-Dioxane		140 U	360 U	18 U	40 U
2-Butanone (MEK)		12 U	29 U	**4.7**	3.2 U
2-Chlorotoluene		8.3 U	21 U	1 U	2.3 U
2-Hexanone		16 U	41 U	**3**	**1.8 J**
3-Chloropropene		13 U	31 U	1.6 U	3.4 U
4-Ethyltoluene		**2.9 J**	**4.8 J**	0.98 U	**3.8**
4-Methyl-2-pentanone (MIBK)		**1.2 J**	41 U	**1.8 J**	**1.7 J**
Acetone		**42 J**	**69 J**	**18**	**36**
Benzene		**3.8 J**	**27**	**3.5**	**4.4**
Benzyl chloride		8.3 U	21 U	1 U	2.3 U
Bromodichloromethane		11 U	27 U	1.3 U	2.9 U
Bromoethene		7 U	17 U	0.87 U	1.9 U
Bromoform		17 U	41 U	2.1 U	4.5 U
Bromomethane		6.2 U	15 U	0.78 U	1.7 U
Butane		**55**	**690**	**13**	**72**
Carbon disulfide		**13**	**17 J**	**3.5**	**3.5**
Chlorobenzene		7.3 U	18 U	0.92 U	2 U
Chlorodifluoromethane		14 U	**28 J**	**1.6 J**	3.9 U
Chloroethane		11 U	26 U	1.3 U	2.9 U
Chloroform		7.8 U	19 U	**1.1**	2.1 U
Chloromethane		8.3 U	20 U	**0.63 J**	2.3 U
cis-1,3-Dichloropropene		7.3 U	18 U	0.91 U	2 U
Cyclohexane		5.5 U	**58**	0.69 U	1.5 U
Dibromochloromethane		14 U	34 U	1.7 U	3.7 U

Table 10. Summary of Volatile Organic Compounds in Soil Vapor, 5530 Broadway, Bronx, New York

Parameter (Concentrations in ug/m^3)	**Sample Designation:** / **Sample Date:**	SV-1 5/21/2013	SV-3 5/21/2013	SV-5 5/21/2013	SV-6 5/21/2013
Dichlorodifluoromethane		**3.8 J**	**5.8 J**	**2.2 J**	5.4 U
Ethylbenzene		**5.4 J**	**12 J**	**2.9**	**9**
Freon 113		12 U	30 U	**0.57 J**	3.4 U
Freon 114		11 U	28 U	1.4 U	3.1 U
Hexachlorobutadiene		17 U	42 U	2.1 U	4.7 U
Isooctane		7.5 U	19 U	**5.9**	2.1 U
Isopropanol		98 U	240 U	12 U	27 U
Isopropylbenzene		7.9 U	19 U	0.98 U	2.2 U
m+p-Xylene		**14 J**	**26 J**	**8.5**	**21**
Methyl Methacrylate		16 U	41 U	2 U	4.5 U
Methylene chloride		**4.3 J**	**14 J**	**1.4 J**	**1.6 J**
MTBE		5.8 U	14 U	0.72 U	1.6 U
Naphthalene		21 U	52 U	**0.92 J**	5.8 U
n-Butylbenzene		8.8 U	22 U	1.1 U	2.4 U
n-Heptane		**37**	**15 J**	**2.3**	**45**
n-Hexane		**53**	**50**	**4.4**	**60**
n-Propylbenzene		**2.1 J**	19 U	**1.2**	**3.2**
o-Xylene		**6.1 J**	**11 J**	**2.9**	**9**
p-Isopropyltoluene		8.8 U	22 U	**3.5**	**0.59 J**
sec-Butylbenzene		8.8 U	22 U	**0.8 J**	2.4 U
Styrene		6.8 U	17 U	0.85 U	1.9 U
t-Butyl Alcohol		120 U	300 U	**5.4 J**	**11 J**
tert-Butylbenzene		8.8 U	22 U	1.1 U	2.4 U
Tetrahydrofuran		120 U	290 U	15 U	32 U
Toluene		**16**	**29**	**8.7**	**19**
trans-1,2-Dichloroethene		6.3 U	16 U	0.79 U	1.7 U
trans-1,3-Dichloropropene		7.3 U	18 U	0.91 U	2 U
Trichlorofluoromethane		**2.5 J**	**4.5 J**	**1.4**	**2 J**
Xylenes (total)		**20**	**37**	**11**	**30**

J - Estimated value
U - Indicates that the compound was analyzed for but not detected
ug/m^3 - Micrograms per cubic meter
Bold data indicates that parameter was detected

FIGURES

1. Site Location
2. Site Plan
3. Proposed Redevelopment Plan
4. Surrounding Land Use

QUADRANGLE LOCATION

SOURCE:
USGS; Yonkers, NY-NJ (1998)
and Central Park, NY-NJ (1995)
7.5 Minute Topographic Quadrangles

N

0 2000'

Title:

SITE LOCATION MAP

5530 BROADWAY
BRONX, NEW YORK 10463

REMEDIAL ACTION WORK PLAN

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 04FEB14	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: W.M.	Project No.: 1924.0006Y	
File: 1924.0006Y104.01.CDR		

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LEGEND

- Boundary of Equity One Site
- Basement boundary
- Chain link fence
- Soil boring location
- Soil vapor sample location
- Groundwater sample location
- Existing monitoring well

Title:

SITE PLAN

5530 BROADWAY
BRONX, NEW YORK 10463
REMEDIAL ACTION WORK PLAN

Prepared for:

EQUITY ONE, INC.

ROUX ASSOCIATES, INC. *Environmental Consulting & Management*	Compiled by: W.M.	Date: 04FRB14	FIGURE
	Prepared by: J.A.D.	Scale: AS SHOWN	2
	Project Mgr.: W.M.	Project No.: 1924.0006Y	
	File: 1924.0006Y104.02.CDR		

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LEGEND

Proposed 2-story retail building to cover entire site and neighboring property

Title:

REDEVELOPMENT PLAN

5530 BROADWAY
BRONX, NEW YORK 10463

REMEDIAL ACTION WORK PLAN

Prepared for:

EQUITY ONE, INC.

ROUX ASSOCIATES, INC. *Environmental Consulting & Management*	Compiled by: W.M.	Date: 04FEB14	FIGURE
	Prepared by: J.A.D.	Scale: AS SHOWN	3
	Project Mgr.: W.M.	Project No.: 1924.0006Y	
	File: 1924.0006Y104.02.CDR		

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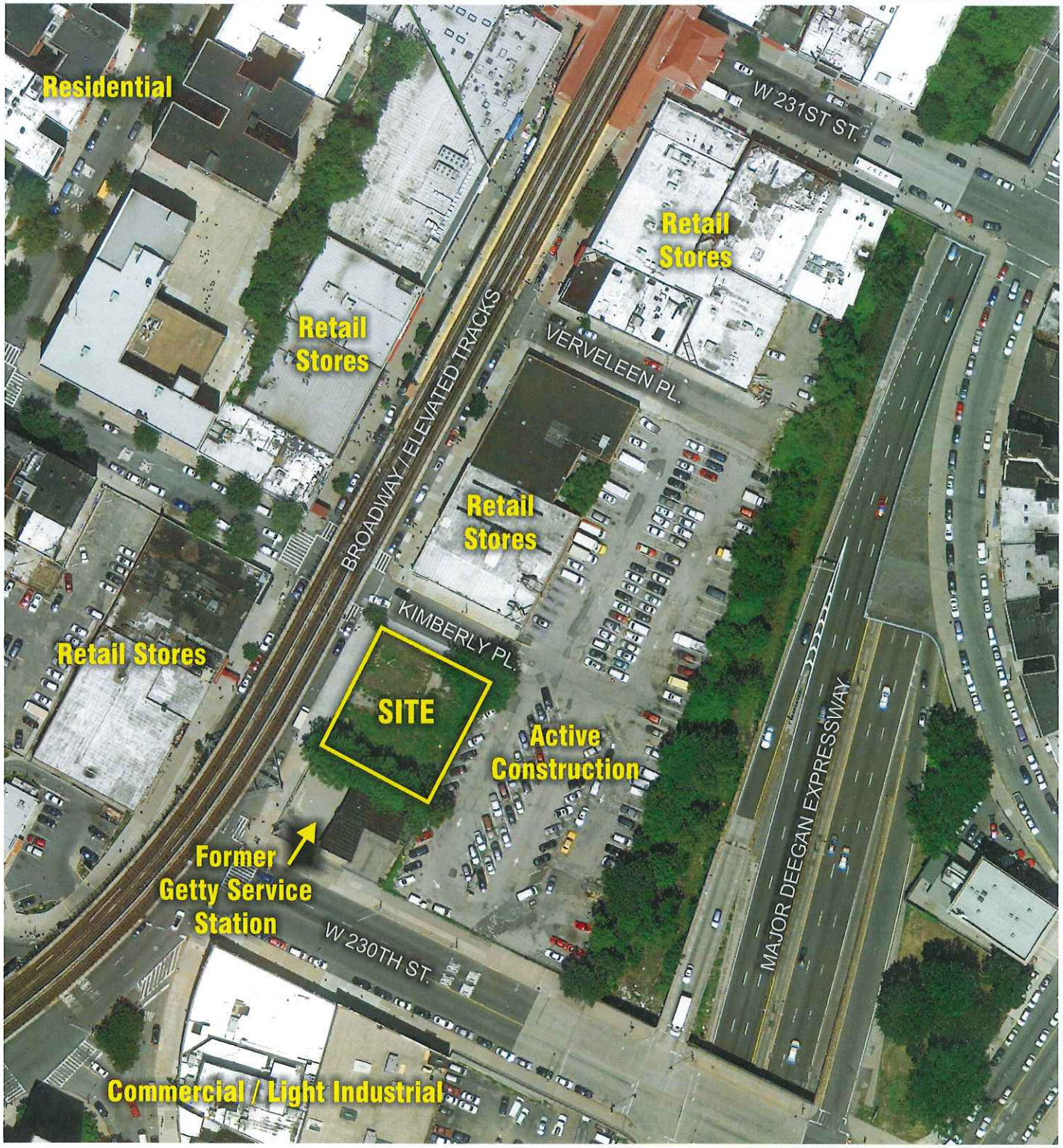

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Title:

SITE PLAN WITH SURROUNDING PROPERTIES

5530 BROADWAY
BRONX, NEW YORK 10463

REMEDIAL ACTION WORK PLAN

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 04FEB14	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	4
Project Mgr.: W.M.	Project No.: 1924.0006Y	
File: 1924.0006Y104.03.CDR		

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APPENDICES

A. Citizen Participation Plan
B. Sustainability Statement
C. Soil/Materials Management Plan
D. Construction Health and Safety Plan
E. Proposed Redevelopment Plans
F. Design Diagrams and Specifications for Vapor Barrier/Waterproofing Membrane

APPENDIX A

Citizen Participation Plan

APPENDIX A

CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and Equity One have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, Equity One will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Eric Ilijevich, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 788-8841.

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. Equity One will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

New York Public Library – Kingsbridge Library

291 West 230th Street, Bronx, New York 10463(718) 548-5656

Repository Hours of Operation

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
11:00 AM - 7:00 PM	10:00 AM - 6:00 PM	11:00 AM - 7:00 PM	10:00 AM - 6:00 PM	10:00 AM - 5:00 PM	10:00 AM - 5:00 PM	CLOSED

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by Equity One, reviewed and approved by OER prior to distribution and mailed by Equity One. Public comment is solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC VCP project. See flow chart on the following page, which identifies when during the NYC VCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

APPENDIX B

Sustainability Statement

APPENDIX B
SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials. Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.

Recylced concrete aggregate will be used in the sub-base beneath the new building slab. An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

The selection of the disposal facility for the excavated soil will be based, in part, on proximity to the Site to reduce the fuel usage of the transportation vehicles.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

Recontamination controls including the installation of a vapor barrier and sub-slab depressurization system are planned for this project Site and the adjacent property at 5510 Broadway.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. Equity One is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. Equity One is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

APPENDIX C

Soil/Materials Management Plan

APPENDIX C

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are (1) leave site and turn east on West 230 Street; (2) turn right and take the Major Deegan Expressway south; 3) go west on Cross Bronx Expressway and cross George Washington Bridge.

This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in the Bronx, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The Remedial Action Report will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in Table 1.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.8 FLUIDS MANAGEMENT

Dewatering will not be conducted during construction and management of fluids is not anticipated.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.9 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.10 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.11 ODOR, DUST AND NUISANCE CONTROL

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If

odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Action Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX D

Construction Health and Safety Plan

July 8, 2013

HEALTH AND SAFETY PLAN

5530 Broadway
Bronx, New York

Prepared for

EQUITY ONE (NORTHEAST PORTFOLIO) INC.
410 Park Avenue, 12th 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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APPROVALS

By their signature, the undersigned certify that this Health and Safety Plan (HASP) is approved and will be utilized at the project site located at 5530 Broadway, Bronx, New York.

Joseph Gentile — Date
Corporate Health and Safety Manager
Roux Associates, Inc.

Joseph Gavin — Date
Site Health and Safety Officer
Roux Associates, Inc.

Craig Werle — Date
Project Principal
Roux Associates, Inc.

Note: This HASP was updated July, 2012.

1.0 INTRODUCTION

This Site-specific and Safety Plan (HASP) has been prepared in accordance with 29 CFR 1910.120 Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) and Roux Associates, Inc. (Roux Associates) Standard Operating Procedures (SOPs). It addresses all activities to be performed during the implementation of Remedial Investigation (RI) activities, and Remedial Actions (RA) at 5530 Broadway, Bronx, New York (Site) (Figure 1). The HASP will be implemented by the designated Site Health and Safety Officer (SSO) during work at the Site. The HASP attempts to identify all potential hazards at the Site; however, Site conditions are dynamic and new hazards may appear constantly. Personnel must remain alert to existing and potential hazards as Site conditions change and protect themselves accordingly.

Compliance with this HASP is required of all persons and subcontractors who perform fieldwork or enter the Site. The contents of this HASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the technical scope of work. Any changes proposed must be reviewed and approved by the Corporate Health and Safety Manager (CHSM), with the SSO implementing the changes to the HASP.

Upon entering the Site, all visitors are required to sign in. All visitors entering the Contamination Reduction Zone (CRZ) (defined in Section 8.1.2), the Contamination Reduction Corridor (CRC) (defined in Section 8.1.2), or the Exclusion Zone (EZ) (defined in Section 8.1.3) will be required to read and comply with the provisions of this HASP. Visitors will be required to comply with applicable OSHA requirements such as training, medical monitoring, and respiratory protection.

In the event that a visitor does not adhere to the provisions of this HASP, he or she will be required to leave the Site. Mobilization activities not requiring intrusive activities (e.g., survey, equipment staging, etc.) or exposure to potentially impacted areas may only be performed if supervised by a competent Roux Associates employee.

1.1 Scope of Work

The Scope of Work activities will include the implementation of RI activities.

The Scope of Work activities are as follows:

1. Obtain necessary permits and approvals.
2. Preparation and implementation of an approved Health and Safety Plan (HASP).
3. Implementation of RI activities, consisting of site inspection/reconnaissance, geophysical survey, drilling, soil boring and sampling, groundwater sampling, and soil vapor sampling.
4. Implementation of the Remedial Action Work Plan (RAWP).
5. Mobilization and demobilization.
6. Maintain good site housekeeping procedures at all times.
7. Identification, protection, and/or relocation of any utilities within the work area.
8. Construct a decontamination pad with proper containment and collection system, if necessary.

1.2 Emergency Numbers

1.2.1 Emergency Phone Numbers

Emergency Medical Service 911

Police: New York Police Department (NYPD).....911

Fire: Fire Department of New York (FDNY) 911

Hospital: New York Presbyterian Hospital 212-932-4461

National Response Center.....800-424-8802

Poison Control Center.....800-222-1222

Chemtrec 800-262-8200

Center for Disease Control.....800-311-3435

USEPA (Region II).....212-637-5000

NYSDEC Emergency Spill Response 800-457-7362

1.2.2 Project Management/Health and Safety Personnel

Title	Contact	Telephone/Cell
Roux Associates		
Project Director	Craig Werle	631-232-2600 Cell – 631-793-1535
Site Health and Safety Officer	Joseph Gavin	631-232-2600 Cell – 631-245-5887
Corporate Health and Safety Manager	Joseph Gentile	856-423-8800 Cell – 610-844-6911

1.2.3 Other Important Phone Numbers

No additional numbers

1.2.4 Directions to New York Presbyterian Hospital

See Figure 2 for street map.

- Start at 5530 Broadway, Bronx, New York
- Turn Left on Broadway to head south, towards West 230th Street
- Arrive at 5141 Broadway, New York Presbyterian Hospital on your right

2.0 HEALTH AND SAFETY STAFF

This section briefly describes all site personnel and their health and safety responsibilities for the RI work to be implemented at the Site. All personnel are responsible for ensuring compliance with the HASP.

2.1 Project Principal (PP) – Craig Werle – Roux Associates

- Has the overall responsibility for the health and safety of Site personnel.
- Ensures that adequate resources are provided to the field health and safety staff to carry out their responsibilities as outlined below.

2.2 Corporate Health and Safety Manager (CHSM) – Joe Gentile – Roux Associates

- Implements the HASP.
- Performs or oversees site-specific training and approves revised or new safety protocols or field operations.
- Coordinates revisions of this HASP with Project Principal.
- Responsible for the development of new task safety protocols and procedures and resolution of any outstanding safety issues which may arise during the conduction of site work.
- Review and approve all health and safety training and medical surveillance records for personnel and subcontractors.

2.3 Site Safety and Health Officer (SSO) – Joseph Gavin – Roux Associates

- Directs and coordinates health and safety monitoring activities.
- Ensures that field teams utilize proper personal protective equipment.
- Conducts initial onsite specific training prior to personnel and/or subcontractors commencing work.
- Conducts and documents periodic safety briefings.
- Ensures that field team members comply with this HASP.
- Completes and maintains Accident Report and Investigation Forms.
- Notifies PP and CHSM of all accident/incidents.

- Notifies PP of daily field operations and work progress, who will then communicate at the end of the day to the designated representative the following:
    1. End of day tasks completed
    2. Next day's planned activities
    3. Third party issues
    4. Change of Plans – approvals
- Change in level of personal protective equipment (PPE).
- Maintains contact with Contractors.
- Determines upgrade or downgrade of PPE based on Site conditions and/or real time monitoring results.
- Ensures that monitoring instruments are calibrated daily or as manufacturers suggested instructions determine.
- Submits and maintains health and safety field log books, daily safety logs, training logs, air monitoring result reports, weekly safety report.

2.4 Field Personnel and Subcontractors

- Report any unsafe or potentially hazardous conditions to the SSO.
- Maintain knowledge of the information, instructions, and emergency response actions contained in the HASP.
- Comply with rules, regulations, and procedures as set forth in this HASP and any revisions, which are instituted.
- Prevent admittance to work Site by unauthorized personnel.

3.0 SITE LOCATION, DESCRIPTION, AND HISTORY

Descriptions of the Site and surrounding property usage are included in the following sections. The location of the Site is presented in Figure 1.

3.1 Property Location and Description

The Site is located at 5530 Broadway in the Kingsbridge section of Bronx, New York. Figure 1 shows the Site location. The Site is 11,500-square feet and is bounded by a de-mapped street (Kimberly Place) to the northeast, a former retail gasoline station to the southwest, the Broadway Plaza NYC VCP Site to the southeast, and Broadway to the northwest. Currently, the Site is vacant, mostly covered in vegetation, and contains only the abandoned and partially collapsed basement of the former building which was previously demolished.

4.0 WASTE DESCRIPTION/CHARACTERIZATION

4.1 General

The following information is presented in order to identify the types of materials that may be encountered at the Site. The detailed information on these materials was obtained from:

- SAX's Dangerous Properties of Industrial Materials – Lewis Eight Edition
- Chemical Hazards of the Workplace – Proctor/Hughes
- Condensed Chemical Dictionary – Hawley
- Rapid Guide to Hazardous Chemical in the Workplace – Lewis 1990
- NIOSH Pocket Guide to Chemical Hazards – 2005
- ACGIH TLV Values and Biological Exposure Indices
- OSHA 29 CFR 1910.1000

4.2 Chemical Data Sheets

Several chemicals that may potentially be present in soils and groundwater at the Site, based on previous soil, soil vapor and groundwater sampling results and historic operations conducted at the Site that have been identified. The Summary of Toxicological Data is found in Table 1 and is provided for review of chemicals that may be encountered. The Summary of Toxicological Data Sheets provides information such as the chemicals characteristics, health hazards, protection, and exposure limits.

4.2.1 Contaminants of Concern

Soil and groundwater contaminants that may be encountered during drilling and sampling activities include both organic and inorganic compounds.

According to previous investigation reports, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) were detected above guidance values in soil, and groundwater due to a known petroleum spill at the neighboring property. A closed NYSDEC Spill Number exists for the neighboring former Getty gasoline station.

According to Roux investigations at the Site, VOCs, SVOCs, and metals were detected in soil and/or groundwater at the Site. No detections of polychlorinated biphenyls (PCBs), were noted in

soil and groundwater analytical data. Exceedances of NYSDEC Part 375 Unrestricted Use Criteria in soil analytical results were noted for several metals, SVOCs and VOCs. There were several detections that exceeded the NYSDEC Part 375 Commercial Criteria. VOCs, SVOCs and metals were detected in groundwater analytical results; no detections of PCBs were noted. The groundwater exceedances were restricted to VOCs and SVOCs found in typical gasoline spills, and several metals including sodium, manganese and lead. In addition, several VOCs were detected in soil vapor samples.

The toxicological, physical, and chemical properties of potential contaminants are presented in Table 1.

5.0 HAZARD ASSESSMENT

The potential to encounter chemical hazards is dependent upon the work activity performed (intrusive versus non-intrusive), and the duration and location of the work activity. Such hazards could include inhalation and/or skin contact with chemicals/gases that could cause: dermatitis, skin burns, being overcome by vapors or asphyxiation.

Physical hazards that may be encountered during Site work include; heat and cold stress, exposure to excessive noise, loss of limbs, being crushed, head injuries, punctures, cuts, falls, electrocution, and bruises, structural integrity of buildings, asbestos and lead paint exposure, and other physical hazards due to motor vehicle operation, heavy equipment and power tools.

Biological hazards may exist during Site activities. These hazards include exposure to insect bites/stings, animals and animal wastes, mold and bloodborne pathogens.

Prior to the beginning of each new phase of work, an activity hazard analysis will be prepared by the SSO with assistance from the CHSM. The analysis will address the hazards for each activity performed in the phase and will present the procedures and safeguards necessary to eliminate the hazards or reduce the risk. The Activity Hazard Analysis Sheets are located in Appendix A.

5.1 Chemical Hazards

The potential for personnel and subcontractors to come in contact with chemical hazards may occur during the following tasks:

- Drilling Activities
- *In situ* Chemical Injection Activities
- Decontamination Activities

For chronic and acute toxicity data, refer to Summary of Toxicological Data Sheets in Table 1 for further details on compound characteristics. The Material Safety Data Sheets for the injection chemicals are also included in Appendix A.

5.1.1 Exposure Pathways

Exposure to these compounds during ongoing activities may occur through inhalation of contaminated dust particles, inhalation of VOCs, SVOCs or inorganics, dermal absorption, and accidental ingestion of the contaminant by either direct or indirect cross-contamination activities.

Inhalation of contaminated dust particles (VOCs, SVOCs, and inorganics) can occur during adverse weather conditions (high or changing wind directions) or during operations that may generate airborne dust such as excavation and loading of contaminated soils. Dust control measures such as applying water to roadways and excavations will be implemented where visible dust is generated. Where dust control measures are not feasible or effective, respiratory protection will be used when necessary (see Section 9.2.2 for monitoring procedures and action levels).

5.1.2 Operational Action Levels

A decision-making protocol for an upgrade in levels of protection and/or withdrawal of personnel from an area based on atmospheric hazards is outlined in Table 2.

5.1.3 Additional Precautions

Dermal absorption or skin contact with chemical compounds is possible during intrusive activities or *in situ* chemical injections at the Site. The use of PPE in accordance with Section 8.2 and strict adherence to proper decontamination procedures should significantly reduce the risk of skin contact.

The potential for accidental ingestion of potentially hazardous chemicals is expected to be remote, when good hygiene practices are used.

5.2 Physical Hazards

A variety of physical hazards may be present during Site activities. These hazards include typical construction activities: operation of motor vehicles and heavy equipment operation, the use of power and hand tools, the use of pressurized pumps for *in situ* injections, roping and rigging of steel sheeting, walking on objects, tripping over objects, working on surfaces which have the potential to promote falling, skin burns, crushing of fingers, toes, limbs, head injuries caused by falling objects, temporary loss of one's hearing and/or eyesight. The referenced hazards are not

unique and are generally familiar to most hazardous waste site workers at construction sites. Task specific safety requirements for each phase will be covered during safety briefings. Activity Hazard Analysis summaries are contained in Appendix A.

5.2.1 Noise

Noise is a potential hazard associated with operation of heavy equipment, power tools, pumps, and generators. High noise equipment operators will be evaluated at the discretion of the SSO. Employees with an 8-hour time weighted average exposure exceeding 85 dBA will be included in the hearing conservation program in accordance with 29 CFR 1910.95 and 1926.52.

It is mandated that employees working around heavy equipment or using power tools that produce noise levels exceeding 90 dBA are to wear hearing protection that shall consist of earplugs or protective earmuffs.

5.2.2 Heat Stress

Heat stress is a significant potential hazard, associated with the use of protective equipment in a hot weather environment. The human body is designed to function at a certain internal temperature. When metabolism or external sources (fire or hot summer day) cause the body temperature to rise, the body seeks to protect itself by triggering cooling mechanisms. The SSO will monitor the air temperature (as described later in this section) to determine potential adverse effects the weather can cause onsite personnel. Excess heat is dissipated by two means:

- Changes in blood flow to dissipate heat by convection, which can be seen as "flushing" or reddening of the skin in extreme cases.
- Perspiration is the release of water through skin and sweat glands. While working in hot environments, evaporation of perspiration is the primary cooling mechanism.

Protective clothing worn to guard against chemical contact effectively stops the evaporation of perspiration. Thus the use of protective clothing increases heat stress problems.

The major disorders due to heat stress are heat cramps, heat exhaustion, and heat stroke. Heat cramps are painful spasms, which occur in the skeletal muscles of workers who sweat profusely in the heat and drink large quantities of water, but fail to replace the bodies lost salts or electrolytes. Drinking water while continuing to lose salt tends to dilute the body's extracellular fluids.

Soon water seeps by osmosis into active muscles and causes pain. Muscles fatigued from work are usually most susceptible to cramps.

Extreme weakness or fatigue, dizziness, nausea, and headache characterize heat exhaustion. In serious cases, a person may vomit or lose consciousness. The skin is clammy and moist, complexion pale or flushed, and body temperature normal or slightly higher than normal. Treatment is rest in a cool place and replacement of body water lost by perspiration. Mild cases may recover spontaneously with this treatment; severe cases may require care for several days. There are no permanent effects.

Heat stroke is a very serious condition caused by the breakdown of the body's regulating mechanisms. The skin is very dry and hot with red mottled or bluish appearance. Unconsciousness, mental confusion, or convulsions may occur. Without quick and adequate treatment, the result can be death or permanent brain damage. As first aid treatment, the person should be moved to a cool place. Body heat should be reduced artificially, but not too rapidly, by soaking the person's clothes in water and fanning them.

Steps that can be taken to reduce heat stress are:

- Acclimate the body. Allow a period of adjustment to make further heat exposure endurable.
- Drink more liquids to replace the body water lost during sweating.
- Rest is necessary and should be conducted under the direction of the SSO.
- Wear personal cooling devices. These are two basic designs; units with pockets for holding frozen packets and units that circulate fluid from a reservoir through tubes to different parts of the body. Both designs can be in the form of a vest, jacket, or coverall. Some circulating units also have a cap for cooling the head.
- Wear long cotton underwear under chemical protective clothing. The cotton will absorb perspiration and will hold it close to the skin. This will provide the body with the maximum cooling available from the limited evaporation that takes place beneath chemical resistant clothing. It also allows for rapid cooling of the body when the protective clothing is removed.

Heat stress is a significant hazard associated with using protective equipment in hot weather environments. Local weather conditions may produce conditions, which will require restricted work schedules in order to protect employees.

Appendix B contains procedures for heat stress; these will be used as a guideline and to provide additional information.

5.2.3 Cold Stress

Cold temperatures are a significant potential hazard. Examples of cold temperature hazards are frostbite and hypothermia.

Frostbite is the most common injury resulting from exposure to cold. The extremities of the body are most often affected. The signs of frostbite are:

- The skin turns white or grayish-yellow.
- Pain is sometimes felt early but subsides later. Often there is no pain.
- The affected parts feel intensely cold and numb.

Hypothermia is characterized by shivering, numbness, drowsiness, muscular weakness, and a low internal body temperature when the body feels extremely warm. This can lead to unconsciousness and death. With both frostbite and hypothermia, the affected areas need to be warmed quickly. Immersion in warm water is an effective means of warming the affected areas quickly. In such cases, medical assistance will be sought.

To prevent these effects from occurring, persons working in the cold should wear adequate clothing and reduce the time spent in the cold area. The field SSO is responsible for determining appropriate time personnel should spend in adverse weather conditions and will monitor this.

Appendix B, which contains the Heat and Cold Stress Guidelines, provides additional information.

5.2.4 Asbestos

Asbestos is a widely used, mineral-based material that is resistant to heat and corrosive chemicals. Depending on the chemical composition, fibers may range from course to silky. The properties

that make asbestos fibers valuable to industry are its high-tensile strength, flexibility, heat and chemical resistance, and good frictional properties. Asbestos is a common naturally occurring group of fibrous minerals. Asbestos fibers have been used in a variety of building materials; generally, most asbestos is found in pipe insulation, doors, textures paints and plasters, structural fireproofing, and floor tiles. Friable asbestos (that is, material that contains more than 0.1% asbestos by weight and can be crumbled by hand) is a potential hazard because it can release fibers into the air if damaged. Roux Associates' personnel will not disturb any suspected asbestos material.

5.2.5 Structural Integrity

The structural integrity of a building and the safety of the individuals inside depend on meeting and maintaining national and local building codes. Structural integrity can range from minor defects such as loose floorboards and roof leaks to major defects such as floors and walls sagging and collapsed roofs. Numerous other structural defects can exist with or without consequence to the occupants. If Roux Associates personnel detect a problem, they should notify their supervisor, who in turn, should seek the opinion of a qualified structural engineer to offer and opinion regarding the integrity of the building. If in the opinion of the qualified engineer it is unsafe, no work can proceed until a solution to rectify the situation has been performed.

The only structures present at the site are the former basement of the demolished former site building. This basement may be utilized as part of the new constructing during redevelopment at the Site.

5.2.6 Lockout/Tagout

Roux Associates and all Site contractors will develop a lockout/tagout plan in the event of the repair of electrical, pneumatic, hydraulic, mechanical systems, per OSHA requirements under 29 CFR 1910.147.

5.3 Biological Hazards

The biological hazards, which have the potential to cause adverse health effects, are from exposure to domestic flies, mosquitoes, insects, animals and animal wastes, mold and bloodborne

pathogens. The Activity Hazard Analysis (Appendix A) suggests controls for various hazards to be potentially encountered onsite.

5.3.1 Insect Stings

Stings from insects are often painful, cause swelling and can be fatal if a severe allergic reaction such as anaphylactic shock occurs. If a sting occurs, the stinger should be scraped out of the skin, opposite of the sting direction. The area should be washed with soap and water followed by application of an ice pack.

If the victim has a history of allergic reaction, he should be taken to the nearest medical facility. If the victim has medication to reverse the effects of the sting, it should be taken immediately.

If the victim experiences a severe reaction, a constricting band should be placed between the sting and the heart. The bitten area should be kept below the heart if possible. A physician should be contacted immediately for further instructions.

5.3.2 Animals and Animal Wastes

Due to most of the onsite structures being abandoned for several years, there lies the potential for various wildlife to reside within the structures, including, but not limited to, pigeons, bats, mice, rats, squirrels, raccoons, and feral cats. Certain animals can represent significant sources (vectors) of disease transmission. Precautions to avoid or minimize potential contact with (biting) animals (such as some of the above listed) or animal waste and/or deceased animals should be considered prior to all field activities. Rats, squirrels, raccoons, feral cats, and other wild animals can inflict painful bites which can also cause disease (as in the case of rabid animals). Site personnel should avoid contact with any of the above.

If contact occurs, be sure to clean the area thoroughly with soap and water as soon as possible. If a bite occurs, the area should be cleaned thoroughly immediately with soap and water and medical attention should be sought.

5.3.3 Mold

Although mold affects individuals differently and to different degrees, the following are some of the most common adverse health effects:

- Respiratory problems – wheezing, difficulty breathing;
- Nasal and sinus congestion;
- Eyes – burning, watery, reddened, blurry vision, light sensitivity;
- Dry, hacking cough;
- Sore throat;
- Nose and throat irritation;
- Shortness of breath and lung disease;
- Chronic fatigue;
- Skin irritation;
- Central nervous system (headaches, loss of memory, and mood changes);
- Aches and pains;
- Fever;
- Headaches;
- Diarrhea; and
- Immune suppression.

Decisions about removing individuals from an affected area must be based on the results of a medical evaluation, and be made on a case-by-case basis.

Workers that discover the visible presence of mold in excess of 10 sq. feet need to notify the SSO for consultation. If a worker smells mold and feels that he/she is experiencing symptoms of exposure, he/she should retreat and report the symptoms to the SSO.

5.3.4 Bloodborne Pathogens

The majority of the occupational tasks onsite will not involve a significant risk of exposure to blood, blood components, or body fluids. The highest risk of acquiring any bloodborne pathogen for employees onsite will be following an injury. When administering first aid care, there are potential hazards associated with bloodborne pathogens that cause diseases such as Human Immunodeficiency Virus (HIV), Hepatitis B (HBV), Hepatitis A (HAV), Hepatitis C (HCV), or the Herpes Simplex Virus (HSV). An employee who has not received the appropriate certification should never execute first aid and/or CPR.

In order to minimize any potential pathogen exposure, all employees should use the hand washing facilities on a regular basis. Additionally, the following universal precautions should be followed to prevent further potential risk:

- Direct skin or mucous membrane contact with blood should be avoided.
- Open skin cuts or sores should be covered to prevent contamination from infectious agents.
- Body parts should be washed immediately after contact with blood or body fluids that might contain blood, even when gloves or other barriers have been used.
- Gloves and disposable materials used to clean spilled blood shall be properly disposed of in an approved hazardous waste container.
- First aid responders shall wear latex or thin mil nitrile gloves when performing any procedure risking contact with blood or body substances.
- Safety glasses will be worn to protect the eyes from splashing or aerosolization of body fluids.
- A CPR mask will be worn when performing CPR to avoid mouth-to-mouth contact.
- Work gloves will be worn to minimize the risk of injury to the hands and fingers when working on all equipment with sharp or rough edges.
- Never pick up broken glass or possible contaminated material with your unprotected hands.
- Never handle wildlife (living or deceased) encountered onsite.

5.4 Hazard Assessment

Task	Hazards	Risk of Exposure
Decontamination	Inhalation/Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Physical Injury	Moderate
	Noise	Low
In situ Injections	Inhalation/ Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Physical Injury	Moderate
	Noise	Low/Moderate
Drilling/Sampling	Inhalation/ Skin Contact	Moderate
	Heat Stress/Cold Stress	Moderate
	Noise	Moderate/High
	Physical Injury	Moderate

6.0 TRAINING

6.1 General Health and Safety Training

In accordance with Roux Associates' corporate policies, and pursuant to 29 CFR 1910.120, hazardous waste site workers shall, at the time of the job assignment, have received a minimum of 40 hours of initial health and safety training for hazardous waste site operations. As a minimum, the training shall have consisted of instruction in the topics outlined in the above reference. Personnel who have not met the requirements for initial training will not be allowed to work in any Site activities in which they may be exposed to hazards (chemical or physical).

Completion of a 40-hour Health and Safety Training Course for Hazardous Waste Operations or an approved equivalent will fulfill the requirements of this section.

In addition to the required initial training, each employee shall have received 3 days of directly supervised on-the-job training. This training will address the duties the employees are expected to perform.

Roux Associates' SSO has the responsibility of ensuring that personnel assigned to this project comply with these requirements.

6.2 Annual Eight-Hour Refresher Training

Annual 8-hour refresher training will be required of all hazardous waste site field personnel in order to maintain their qualifications for fieldwork. The following topics will be reviewed; toxicology, respiratory protection, including air purifying devices and self-contained breathing apparatus (SCBA), medical surveillance, decontamination procedures, and personal protective clothing. In addition, topics deemed necessary by Roux Associates' Health and Safety Director may be added to the above list.

6.3 Site-Specific Training

Site personnel will receive training that will specifically address the activities, procedures, monitoring, and equipment for Site operations. It will include Site and facility layout, hazards, first aid equipment locations and emergency services at the Site, and will highlight all provisions contained within this HASP. This training will also allow field workers to clarify anything they do

not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

6.4 Onsite Safety Meetings

Daily safety meetings will be presented each morning to discuss potential safety concerns for the upcoming activities.

The briefings will also provide a forum to facilitate conformance with safety requirements and to identify performance deficiencies related to safety during daily activities or as a result of safety audits by Roux Associates or other involved parties.

6.5 First Aid and CPR

The SSO will identify those individuals having first aid and CPR training in order to ensure that emergency medical treatment is available during field activities. The training will be consistent with the requirements of the American Red Cross Association. Certification and appropriate training documentation will be kept with the Site personnel records.

6.6 Additional Training

The CHSM may require additional or specialized training throughout the project. Such training shall be in the safe operation of heavy or power tool equipment or hazard communication training or other topic deemed Site appropriate.

6.7 Subcontractor Training

All subcontractor personnel working on the Site shall have completed the 40-hour training requirement and meet the medical surveillance requirements found in Section 7.1. Subcontractor training shall be performed in accordance with 29 CFR 1910.120 and HASP specifications. In certain unique situations (e.g., mechanical failure of equipment), the non-trained individual performing emergency repairs may be allowed, at the discretion of the SSO, to perform repairs when no intrusive activities are being performed, and provisions have been made to mitigate potential exposure.

7.0 MEDICAL SURVEILLANCE PROCEDURES

7.1 General

A Medical Surveillance Program has been established as part of this plan and is included in Appendix C. Roux Associates and subcontractor personnel performing field work at the Site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120(f). A physician's medical release for work will be confirmed by the SSO before an employee can begin Site activities. Such examinations shall include a statement as to the worker's present health status, the ability to work in a hazardous environment (including any required PPE, which may be used during temperature extremes), and the worker's ability to wear respiratory protection.

Appendix C, "Medical Data Sheet," will be completed by all permanent, onsite personnel and will be kept in Roux Associates offices during the conduct of Site operations. Completion is required in addition to compliance with Roux Associates' Health and Safety Program. This data sheet will be available through the Roux Associates Human Resources Department if medical assistance is needed or if transport to hospital facilities is required.

8.0 SITE CONTROL, PERSONAL PROTECTIVE EQUIPMENT, AND COMMUNICATIONS

A modified Site control approach may be utilized since activities will be limited to site inspection/geophysical survey, drilling and sampling only during this phase of work. If remedial work is necessary, the following four-zone approach will be used.

8.1 Site Control

Based on the Site history and operations, a potential for the presence of hazardous material does exist. During drilling and sampling, work areas will be delineated with high visibility cones and/or caution tape. A dedicated decontamination area will be established to decontaminate all equipment used for sampling.

If remedial activities are necessary, a four-zone approach will be employed in order to prevent the spread of contamination from the disturbed areas onsite. The four zones include: the Exclusion Zone (EZ), the Contamination Reduction Zone (CRZ), Contamination Reduction Corridor (CRC) and the Support Zone (SZ). A stepped remedial approach will be managed, and the zones modified as the work progresses. Each of the areas will be defined through the use of control barricades and/or construction/hazard fencing. A clearly marked delineation between the SZ and the remaining three zones, the CRZ and CRC and the EZ will be maintained. The preferred method will utilize high visibility orange fencing and hand driven metal posts, or orange cones. Signage will be posted to further identify and delineate these areas.

8.1.1 Support Zone

The Support Zone (SZ) is an uncontaminated area that will be the field support area for the Site operations. The SZ will contain the temporary project trailers and provides for field team communications and staging for emergency response. Appropriate sanitary facilities and safety equipment will be located in this zone. Potentially contaminated personnel or materials are not allowed in this zone. The only exception will be appropriately packaged/decontaminated and labeled samples. Meteorological conditions will be observed and noted from this zone, as well as those factors pertinent to heat and cold stress.

8.1.2 Contamination Reduction Zone

A Contamination Reduction Zone (CRZ) is established between the exclusion zone and the support zone. The CRZ contains the Contamination Reduction Corridor (CRC) and provides an area for decontamination of personnel and equipment. The CRZ will be used for general Site entry and egress in addition to access for heavy equipment and emergency support services. Personnel are not allowed in the CRZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- A need to be in the zone.

8.1.3 Exclusion Zone

The area where contamination exists is considered to be the Exclusion Zone (EZ). All areas where excavation and handling of contaminated materials take place are considered the EZ. This zone will be clearly delineated by orange high visibility fencing. Safety tape may be used as a secondary delineation within the EZ. The zone delineation markings may be opened in areas for varying lengths of time to accommodate equipment operation or specific construction activities. The SSO may establish more than one EZ where different levels of protection may be employed or where different hazards exist. Personnel are not allowed in the EZ without:

- A buddy (co-worker);
- Appropriate PPE;
- Medical authorization;
- Training certification; and
- A need to be in the zone.

8.2 Personal Protective Equipment

8.2.1 General

The level of protection worn by field personnel will be enforced by the SSO. Levels of protection for general operations are provided below and are defined in this section. Levels of protection

may be upgraded at the discretion of the SSO. All decisions on the level of protection will be based upon a conservative interpretation by the SSO of the information provided by air monitoring results, environmental results and other appropriate information. Any changes in the level of protection shall be recorded in the health and safety field logbook.

8.2.2 Personal Protective Equipment Specifications

The initial level of personal protective equipment is Level D. It is not anticipated that either Level B or Level C protection will be necessary.

Although not anticipated, any tasks requiring Level B personal protective equipment (PPE) will utilize the following equipment:

- Positive pressure, full facepiece, self-contained breathing apparatus (SCBA) or positive pressure, supplied air respirator with escape SCBA (NIOSH approved)
- Disposable coveralls (Tyvek, Poly-coated Tyvek, or Saranex)
- Gloves, inner: latex or nitrile
- Gloves, outer: nitrile or neoprene
- Chemical resistant boots over the work boots
- Steel toe work boots
- Hard hat
- Hearing protection (as needed)
- Boot cover (as needed)

For tasks requiring Level C PPE, the following equipment may be used in any combination:

- Full-face, air purifying, canister-equipped respirators (NIOSH approved) utilizing Organic Vapor/Acid Gas and P-100 filters (half-face if approved by SSO)
- Disposable coveralls (Tyvek, Poly-coated Tyvek, or Saranex) as required
- Gloves, inner: latex or nitrile as required
- Gloves, outer: nitrile or neoprene as required
- Chemical resistant boots over the work boots as required

- Steel toe work boots
- Hard hat
- Hearing protection (as needed)
- Safety glasses (if half-mask is utilized)
- Boot covers (as needed)

The Minimum level of PPE for entry onto the Site is Level D PPE. The following equipment shall be used:

- Work uniform (long pants, sleeved shirt)
- Hard hat
- Steel toe work boots
- Safety glasses
- Boot covers (as needed)
- Hearing protection (as needed)
- Reflective safety vest

Modified Level D PPE consists of the following:

- Regular Tyvek coveralls (Poly-coated Tyvek as required)
- Outer gloves: leather, cotton, neoprene or nitrile (as required)
- Inner gloves: latex or nitrile (doubled) as required
- Chemical resistant boots over work boots (as required)
- Steel toe work boots
- Hard hat
- Safety glasses
- Hearing protection as needed
- Reflective safety vest

8.2.3 Initial Levels of Protection

Levels of protection for the proposed scope of work may be upgraded or downgraded depending on direct-reading instruments or personnel monitoring. The following are the initial levels of protection that shall be used for each planned field activity:

Activity	Initial level of PPE
Mobilization/Demobilization	D
Site Inspection/Geophysical Survey	D
Decontamination	D
Drilling	D
In situ Chemical Injections	D
Groundwater Sampling	D

8.3 Communications

If working in level C/B respiratory protection is required, personnel may find that communication becomes a more difficult task and process to accomplish. Distance and space further complicate this. In order to address this problem, electronic instruments, mechanical devices, or hand signals will be used as follows:

Telephones – Mobile telephones will be carried by designated personnel for communication with emergency support services/facilities.

Radios – Two-way radios will be utilized onsite for communications between field personnel in areas where visual contact cannot be maintained and where hand signals cannot be employed.

Air Horn – Available as posted in the Site trailer or support zone to alert field personnel to an emergency situation. The emergency signal will be the sharp blasts of the air horn.

Hand Signals – This communication method will be employed by members of the field team along with use of the buddy system. Signals become especially important when in the vicinity of heavy moving equipment and when using Level B respiratory equipment. The signals shall become familiar to the entire field team before Site operations commence, and will be reinforced and reviewed during site-specific training.

Signal	Meaning
Hand gripping throat	Out of air; can't breathe
Grip partner's wrist	Leave area immediately; no debate
Hands on top of head	Need assistance
Thumbs up	OK; I'm all right; I understand
Thumbs down	No; Unable to understand you, I'm not all right

9.0 MONITORING PROCEDURES

9.1 General

Monitoring will be performed to verify the adequacy of respiratory protection, to aid in Site layout, and to document worker exposure. If air monitoring in these areas indicates the presence of potentially hazardous materials, control measures will be implemented. All monitoring instruments shall be operated by qualified personnel only and will be calibrated daily prior to use or, more often, as necessary. General monitoring during intrusive site activities will be performed in accordance with the Community Air Monitoring Plan included as Appendix D.

9.2 Exclusion Zone Monitoring

9.2.1 Instrumentation

The following monitoring instruments will be available for use during field operations as necessary. There will be a minimum of one of each piece of equipment on the Site at all times:

- Photoionization Detector (PID) with 10.6 EV probe or Flame Ionization Detector (FID) or equivalent.
- Dust/Particulate Monitor (DM), MIE Miniram, or equivalent.

A PID will be used to monitor VOCs in active work areas, during intrusive activities. VOCs shall also be measured upwind of the work areas to determine background concentrations.

A particulate monitor shall be used to measure concentrations of dust and particulate matter.

When deemed necessary, a CGI/O_2 meter shall be used to monitor for combustible gases and oxygen content during confined space entry or when the HSO deems necessary.

Calibration records shall be documented and recorded daily and included in the daily air monitoring report. This report will be specific to work area monitoring. All instruments shall be calibrated before and after each daily use in accordance with manufacturer's procedures (Appendix E).

9.2.2 Action Levels

Action levels for the upgrading of PPE requirements in the HASP will apply to all Site work during investigation and remediation activities at the Site. Action levels are for known contaminants using direct reading instruments in the Breathing Zone (BZ) for VOCs and particulates, and at the source for combustible gases. The BZ will be determined by the SSO, but is typically 4 to 5 feet above the work area surface or elevation. The action levels to be utilized for the Site are found in Table 2.

9.2.3 Monitoring During Field Activities

Intrusive Operations – Continuous Personnel Breathing Zone Air Monitoring will be performed by the SSO during drilling activities. Real-time monitoring for all onsite activities will be accomplished as follows:

- Monitoring of VOCs in and around the work zones.
- Monitoring for particulates in and around the work zones, when necessary.

The frequency of monitoring may be modified by the SSO, after consultation with the Project Manager. The rationale for any modification must be documented in the HASP.

10.0 SAFETY CONSIDERATIONS

10.1 General

In addition to the specific requirements of this HASP, common sense should be used at all times.

The following general safety rules and practices will be in effect at the site.

- All open holes, trenches, and obstacles will be properly barricaded in accordance with local Site needs and requirements. Proximity to traffic ways, both pedestrian and vehicular, and location of the open hole, trench, or obstacle will determine these needs.

- All excavation and other Site work will be planned and performed with consideration for underground lines.

- Smoking and ignition sources in the vicinity of potentially flammable or contaminated material are strictly prohibited.

- Drilling, boring, and use of cranes and drilling rigs, erection of towers, movement of vehicles and equipment, and other activities will be planned and performed with consideration for the location, height, and relative position of aboveground utilities and fixtures, including signs; lights; canopies; buildings and other structures and construction; and natural features such as trees, boulders, bodies of water, and terrain.

- When working in areas where flammable vapors may be present, particular care shall be exercised with tools and equipment that may be sources of ignition. All tools and equipment provided must be properly bonded and/or grounded.

- Approved and appropriate safety equipment (as specified in this HASP), such as eye protection, hard hats, hand protection (nitrile, leather and/or cut resistant gloves as necessary), foot protection, and respirators, must be worn in areas where required. In addition, eye protection must be worn when sampling soil or water that may be contaminated.

- All site personnel may be called upon to use respirator protection in some situations. Fit testing will be necessary for all persons using respirators. The criteria for facial hair will be determined by the SSO. In general, the guideline is that facial hair cannot impede the fit of the respirator.

- No smoking, eating, chewing tobacco, gum chewing or drinking will be allowed outside the SZ.

- Contaminated tools and hands must be kept away from the face.

- Personnel must use personal hygiene safe guards (washing up) at the end of the shift.

- Each sample must be treated and handled as though it were contaminated.

- Persons with long hair and/or loose-fitting clothing that could become entangled in power equipment must take adequate precautions.

- Horseplay is prohibited in the work area.
- Work while under the influence of intoxicants, narcotics, or controlled substances is strictly prohibited.

10.2 Traffic Control

Traffic control methods and barricades will be used as needed when working in areas of vehicular traffic. Since the site is fenced off and the areas of investigation are not in current use, outside vehicular and pedestrian traffic is not considered to be an issue.

10.3 Sample Handling

Personnel responsible for handling of samples will wear the prescribed level of protection. Samples are to be identified as to their hazard and packaged as to prevent spillage or breakage. Any unusual sample conditions shall be noted. Laboratory personnel and all field personnel shall be advised of sample hazard levels and the potential contaminants present. This can be accomplished by a phone call to the lab coordinator and/or including a written statement with the samples reviewing lab safety procedures in handling in order to assure that the practices are appropriate for the suspected contaminants in the sample.

11.0 DECONTAMINATION AND DISPOSAL PROCEDURES

11.1 Contamination Prevention

Contamination prevention should minimize worker exposure and help ensure valid sample results by precluding cross-contamination. Procedures for contamination avoidance include:

Personnel

- Do not walk through areas of obvious or known contamination.
- Do not directly handle or touch contaminated materials.
- Make sure that there are no cuts or tears on PPE.
- Fasten all closures in suits; cover with tape, if necessary.
- Particular care should be taken to protect any skin injuries.
- Stay upwind of airborne contaminants.
- Do not carry cigarettes, cosmetics, gum, etc., into contaminated areas.

Sampling/Monitoring

- When required by the SSO, cover instruments with clear plastic, leaving openings for sampling ports.
- Bag sample containers prior to emplacement of sample material.

Heavy Equipment

- Care should be taken to limit the amount of contamination that comes in contact with heavy equipment (tires, contaminated augers).
- If contaminated tools are to be placed on non-contaminated equipment for transport to a decontamination area, plastic should be used to keep the equipment clean.
- Dust control measures including water misting will be used on roads inside the Site boundaries.

11.2 Personnel Decontamination

A field wash for equipment and PPE shall be set up and maintained for all persons exiting the EZ. The system will include a gross wash and rinse for all disposable clothing and boots worn in the EZ. As necessary, equipment and facilities will be available for personnel to wash their hands, arms, neck, and face.

11.3 Equipment Decontamination

All potentially contaminated equipment used at the Site will be decontaminated to prevent contaminants from leaving the Site. The decontamination area will provide for the containment of all wastewater from the decontamination process. Respirators and any other PPE that comes in contact with contaminated materials shall pass through a field wash in the decontamination area, and a thorough decontamination at the end of the day. All decontamination rinse water will be collected and managed in accordance with all applicable regulations.

11.4 Decontamination during Medical Emergencies

If emergency life-saving first aid and/or medical treatment are required, normal decontamination procedures may need to be abbreviated or omitted. The Site SSO or designee will accompany contaminated victims to the medical facility to advise on matters involving decontamination, when necessary. The outer garments can be removed if they do not cause delays, interfere with treatment, or aggravate the problem. Respiratory equipment must always be removed. Protective clothing can be cut away. If the outer contaminated garments cannot be safely removed, a plastic barrier between the individual and clean surfaces should be used to help prevent contaminating the inside of ambulances and/or medical personnel. Outer garments are then removed at the medical facility. No attempt will be made to wash or rinse the victim, unless it is known that the individual has been contaminated with an extremely toxic or corrosive material, which could also cause severe injury or loss of life to emergency response personnel. For minor medical problems (ambulatory) or injuries, the normal decontamination procedures will be followed. Note that heat stroke requires prompt treatment to prevent irreversible damage or death. Protective clothing must be promptly removed. Less serious forms of heat stress also require prompt attention and removal of protective clothing immediately. Unless the victim is obviously contaminated, decontamination should be omitted or minimized, and treatment begun immediately.

11.5 Disposal Procedures

A system of segregating all waste will be developed by the SSO.

All discarded materials, waste materials, or other objects shall be handled in such a way as to preclude the potential for spreading contamination, creating a sanitary hazard, or causing litter to

be left onsite. All potentially contaminated materials (e.g., clothing, gloves, etc.,) will be bagged or drummed as necessary, labeled and segregated for disposal. All non-contaminated materials shall be collected and bagged for appropriate disposal as domestic waste.

12.0 EMERGENCY PLAN

Should an emergency situation occur, the emergency plan, outlined in this section, shall be known by Roux Associates and all Subcontractors prior to the start of work. The emergency plan will be available for use at all times during Site work. The plan provides the phone numbers for the fire, police, ambulance, hospital, poison control centers, and directions to the hospital from the Site. This information is to be found in Section 1.2 of the HASP.

Various individual Site characteristics will determine preliminary actions taken to assure that this emergency plan is successfully implemented in the event of a Site emergency. Careful consideration must be given to the proximity of neighborhood housing or places of employment, and to the relative possibility of Site release of vapors, which could affect the surrounding community.

The emergency coordinator shall implement the contingency plan whenever conditions at the Site warrant such action. The coordinator will be responsible for coordination of the evacuation, emergency treatment, and transport of Site personnel as necessary, and notification of emergency response units and the appropriate management staff.

In cases where the project manager is not available, the SSO shall serve as the alternate emergency coordinator.

The SSO during an emergency will perform air monitoring as needed, as well as lend assistance and provide health and safety information to responding emergency personnel.

Site Personnel will endeavor to keep non-essential personnel away from the incident until the appropriate emergency resources arrive. At that time, the responders will take control of the Site. Site personnel may be asked to lend assistance to emergency personnel such as during evacuations, help with the injured, etc.

12.1 Evacuation

Evacuation procedures will be discussed prior to the start of work and periodically during safety meetings. In the event of an emergency situation, such as fire, or explosion, an air horn,

automobile horn, or other appropriate device will be sounded for three (3) sharp blasts indicating the initiation of evacuation procedures. The emergency evacuation route shall be known by all site workers. Under no circumstances will incoming personnel or visitors be allowed to proceed into the area once the emergency signal has been given. The SSO or project manager must ensure that access for emergency equipment is provided and that all combustion apparatuses have been shut down once the alarm has been sounded. All Site personnel will assemble in the designated nearest safe location. Once the safety of all personnel is established, the fire department and other emergency response groups will be notified by telephone of the emergency.

12.2 Personnel Injury

Emergency first aid shall be applied onsite as appropriate. If necessary, the individual shall be decontaminated and transported to the nearest hospital. The SSO will supply medical data sheets to medical personnel and complete the accident/incident reports in accordance with Section 13.4 of the HASP.

The ambulance/rescue squad shall be contacted for transport as necessary in an emergency. However, since some situations may require transport of an injured party by other means, the injured person shall be escorted to the hospital. A map to this facility is shown in Figure 2.

12.3 Accident/Incident Reporting

As soon as first aid and/or emergency response needs have been met, the following parties are to be contacted by telephone: (Direct contact, no phone messages).

		Office:	**Cell:**
1. Project Director:	Craig Werle	631-232-2600	631-793-1535
2. Office Health and Safety Manager:	Joe Gentile	856-423-8800	610-844-6911
3. Site Health and Safety Officer:	Joseph Gavin	631-232-2600	631-245-5887

4. The employer of any injured worker, if not a Roux Associates employee.

Written confirmation of verbal reports are to be submitted within 24 hours. The report form entitled "Accident Report and Investigation Form" (Appendix F) is to be used for this purpose.

All representatives contacted by telephone are to receive a copy of this report. If the employee involved is not a Roux Associates employee, his employer shall receive a copy of the report. In addition to filling out the Accident Report and Investigation Form, if a Roux employee is involved in a vehicle accident, the employee must also complete the Acord form (Appendix G).

For reporting purposes, the term accident refers to fatalities, lost time injuries, spill or exposure to hazardous materials (radioactive materials, toxic materials, explosive or flammable materials), fire, explosion, property damage, or potential occurrence (i.e., near miss) of the above.

Any information released from the health care provider, which is not deemed confidential patient information, is to be attached to the appropriate form. Any medical information, which is released by patient consent, is to be filed in the individual's medical record and treated as confidential.

12.4 Personnel Exposure

Skin Contact:	Use copious amounts of soap and water. Wash/rinse affected area thoroughly, then provide appropriate medical attention. Eyes should be rinsed for 15 minutes upon chemical contamination.
Inhalation:	Move to fresh air and/or, if necessary, decontaminate/transport to hospital.
Ingestion:	Decontamination and transport to emergency medical facility.
Puncture Wound or Laceration:	Decontamination and transport to emergency medical facility.

12.5 Adverse Weather Conditions

In the event of adverse weather conditions, the SSO or project manager will determine if work can continue without sacrificing the health and safety of all field workers. Some of the items to be considered prior to determining if work should continue are:

- Potential for heat stress and heat-related injuries.
- Potential for cold stress and cold-related injuries.
- Treacherous weather-related conditions.
- Limited visibility.
- Electrical storm potential.

Site activities will be limited to daylight hours and acceptable weather conditions. Inclement working conditions include heavy rain, fog, high winds, and lightning. Observe daily weather reports and evacuate if necessary in case of inclement weather conditions.

13.0 LOGS, REPORTS AND RECORD KEEPING

The following is a summary of required health and safety logs, reports, and record keeping for this project.

13.1 Medical and Training Records

The employer keeps medical and training records. The subcontractor employer must provide verification of training and medical qualifications to the SSO. The SSO will keep a log of personnel meeting appropriate training and medical qualifications for Site work. The log will be kept in the project file. Roux Associates will maintain medical records in accordance with 29 CFR 1910.20.

13.2 Onsite Log

The SSO or project manager will keep a log of onsite personnel daily in the designated field book.

13.3 Exposure Records

Any personal monitoring results, laboratory reports, calculations, and air sampling data sheets are part of an employee exposure record. These records will be kept by Roux Associates in accordance with 29 CFR 1910.20.

13.4 Accident/Incident Reports

An accident/incident report must be completed following procedures given in Appendix F. The originals will be sent to Roux Associates for maintenance. Copies will be distributed as stated. A copy of the forms will be kept in the project file.

13.5 OSHA Form 300

An OSHA Form 300 (Log of Occupational Injuries and Illnesses) (Appendix H) will be kept at the Site. All reportable injuries or illnesses will be recorded on this form. At the end of the project, the original will be sent to Roux Associates for maintenance. Subcontractor employers must also meet the requirements of maintaining an OSHA 300 form.

13.6 Daily Safety Logs

The Daily Safety Log form in Appendix E will be completed daily by the SSO and submitted to the project manager.

13.7 Weekly Safety Reports

The Weekly Safety Reports in Appendix I will be completed by the SSO and submitted to the designated Owner's representative, if requested.

13.8 Close-Out Safety Report

At the completion of the work, Roux Associates will submit a closeout Safety Report that will include all logs and reports generated during the project. The report will be signed and dated by the SSO and submitted to the Safety Manager and/or Owner's representative, if requested.

14.0 FIELD TEAM REVIEW

Each Roux Associates employee or subcontractor shall sign this section after site-specific training is completed and before being permitted to work at the Site.

I have read and reviewed the Site Health and Safety Plan prepared for this Site. I understand and will comply with the provisions contained therein.

Site/Project: Equity One (Northeast Portfolio) Inc.
5530 Broadway
Bronx, New York

Date	Name	Signature	Company

SSO CERTIFICATION OF HOSPITAL DIRECTIONS

Name of Roux Associates SSO:

Date:_____

This is to certify that on _____, I personally drove the route to New York Presbyterian Hospital as listed in the HASP. The Map Routing and Directions were/were not as listed in the plan. Listed below were conditions that resulted in different directions.

_____
Roux Associates Site Health and Safety Officer

FIGURE 1

Site Location Map

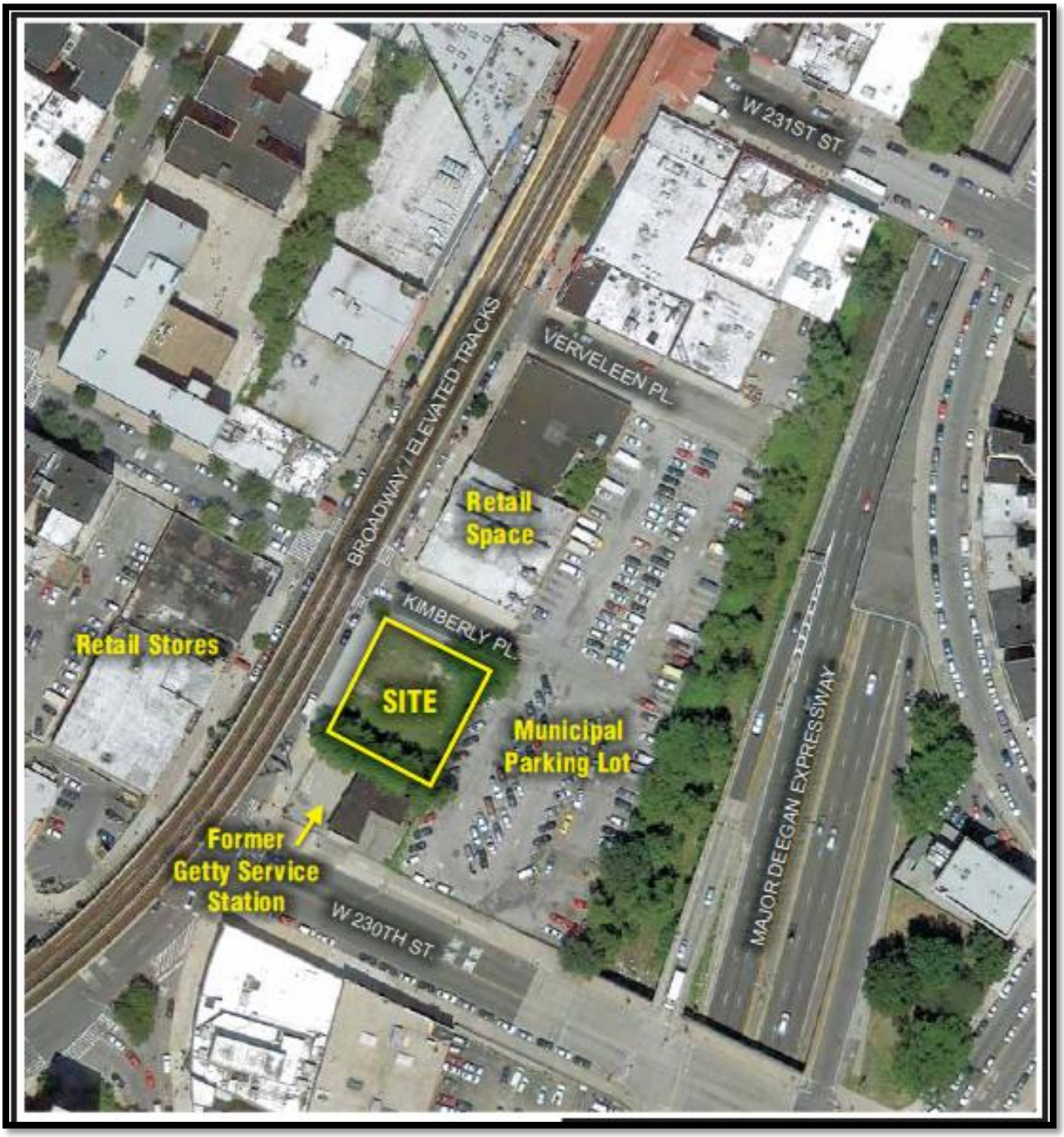

FIGURE 2

Directions to New York Presbyterian Hospital – 5141 Broadway, Bronx, NY 10034

- Start at 5530 Broadway, Bronx, New York
- Head south on Broadway, towards West 230th Street
- Arrive at 5141 Broadway, New York Presbyterian Hospital on your right

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
1,1,1-Trichloroethane	71-55-6	TWA 350 ppm STEL 440 ppm C 440 ppm	C 350 ppm (1900 mg/m^3) [15-minute]	TWA 350 ppm (1900 mg/m^3)	700 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, lassitude (weakness, exhaustion), central nervous system depression, poor equilibrium; dermatitis; cardiac arrhythmias;	Eyes, skin, central nervous system, cardiovascular system, liver	Colorless liquid with a mild, chloroform-like odor. BP: 165°F UEL: 12.5% LEL: 7.5%
1,1,2-Trichloroethane	79-00-5	TWA 10 ppm	Ca TWA 10 ppm (45 mg/m^3) [skin]	TWA 10 ppm (45 mg/m^3) [skin]	Ca [100 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; central nervous system depression; liver, kidney damage; dermatitis; [potential occupational carcinogen]	Eyes, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, chloroform-like odor. BP: 237°F UEL: 15.5% LEL: 6%
1,1-Dichloroethane	75-34-3	TWA 100 ppm	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation skin; central nervous system depression; liver, kidney, lung damage	Skin, liver, kidneys, lungs, central nervous system	Colorless, oily liquid with a chloroform-like odor. BP: 135°F Fl.P: 2°F UEL: 11.4% LEL: 5.4%
1,1-Dichloroethene	75-35-4	TWA 5 ppm	Ca (lowest feasible concentration	TWA 1ppm	Ca [N.D.]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, throat; dizziness, headache, nausea, dyspnea (breathing difficulty); liver, kidney disturbance; pneumonitis; [potential occupational carcinogen]	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid or gas (above 89°F) with a mild, sweet, chloroform-like odor. BP: 89°F Fl.P: -2°F UEL: 15.5% LEL: 6.5% Class IA Flammable Liquid
1,2,4-Trimethylbenzene	95-63-6	None established	TWA 25 ppm (125mg/m^3)	None established	N.D.	Inhalation; ingestion; skin and/or eye contact	Eye, skin, nose, and throat, resp syst irritation; bronchitis; hypochromic anemia; headache, drowsiness, weakness, dizziness, nausea, incoordination, vomit, confusion; chemical pneumonitis	Eyes, skin, resp sys, CNS, blood	Clear, colorless liquid with a distinctive, aromatic odor BP: 337°F FL.P: 112°F UEL: 6.4% LEL: 0.9% Class II Flammable liquid
1,2,4-Trimethylbenzene	95-63-6	TWA 25 ppm (125 mg	TWA 25 ppm (125 mg/m^3)	None established	N.D.	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, fatigue, dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system, blood	Clear, colorless liquid with a distinctive, aromatic odor. BP: 337°F Fl.P: 112°F UEL: 6.4% LEL: 0.9% Class II Flammable Liquid
1,2-Dichlorobenzene	95-50-1	TWA 25 ppm STEL 50 ppm	C 50 ppm (300 mg/m^3)	C 50 ppm (300 mg/m^3)	200 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; liver, kidney damage; skin blisters	Eyes, skin, respiratory system, liver, kidneys	Colorless to pale-yellow liquid with a pleasant, aromatic odor. [herbicide] BP: 357°F Fl.P: 151°F UEL: 9.2% LEL: 2.2% Class IIIA Combustible Liquid
1,2-Dichloroethane	107-06-2	TWA 10 ppm	Ca TWA 1 ppm (4 mg/m^3) STEL 2 ppm (8 mg/m^3)	TWA 50 ppm C 100 ppm 200 ppm [5-minute maximum peak in any 3 hours]	Ca [50 ppm]	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, corneal opacity; central nervous system depression; nausea, vomiting; dermatitis; liver, kidney, cardiovascular system damage; [potential occupational carcinogen]	Eyes, skin, kidneys, liver, central nervous system, cardiovascular system	Colorless liquid with a pleasant, chloroform-like odor. [Note: Decomposes slowly, becomes acidic & darkens in color.] BP: 182°F Fl.P: 56°F UEL: 16% LEL: 6.2% Class IB Flammable Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
1,2-Dichloroethene (total)	540-59-0	TWA 200 ppm (790 m	TWA 200 ppm (790 mg/m^3)	TWA 200 ppm (790 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; central nervous system depression	Eyes, respiratory system, central nervous system	Colorless liquid (usually a mixture of the cis & trans isomers) with a slightly acrid, chloroform-like odor BP: 118-140°F Fl.P: 36-39°F UEL: 12.8% LEL: 5.6% Class IB Flammable Liquid
1,3,5-Trimethylbenzene	108-67-8	None established	TWA 25 ppm (125mg/m^3)	None established	N.D.	Inhalation; ingestion; skin and/or eye contact	Eye, skin, nose, and throat, resp syst irritation; bronchitis; hypochromic anemia; headache, drowsiness, weakness, dizziness, nausea, incoordination, vomit, confusion; chemical pneumonitis	Eyes, skin, resp sys, CNS, blood	Clear, colorless liquid with a distinctive, aromatic odor BP: 329°F FL.P: 122°F Class II Flammable liquid
1,3,5-Trimethylbenzene	108-67-8	TWA 25 ppm (125 mg	TWA 25 ppm (125 mg/m^3)	None established	N.D	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; bronchitis; hypochromic anemia; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system, blood	Clear, colorless liquid with a distinctive, aromatic odor. BP: 329°F Fl.P: 122°F Class II Flammable Liquid
1,4-Dichlorobenzene	106-46-7	TWA 10 ppm	Ca	TWA 75 ppm (450 mg/m^3)	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Eye irritation, swelling periorbital (situated around the eye); profuse rhinitis; headache, anorexia, nausea, vomiting; weight loss, jaundice, cirrhosis; in animals: liver, kidney injury; [potential occupational carcinogen]	Liver, respiratory system, eyes, kidneys, skin	Colorless or white crystalline solid with a mothball-like odor. [insecticide] BP: 345°F Fl.P: 150°F LEL: 2.5% Combustible Solid
2,4-Dimethylphenol	105-67-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system, mouth, throat, stomach; dizziness, weakness, fatigue, nausea, headache; systemic damage; moderate to severe eye injury.	Skin, CVS, eyes, CNS	Clear, colorless liquid with a faint ether or chloroform-like odor BP: 178°F
2-Butanone (MEK)	78-93-3	TWA 200 ppm (590 mg/m^3) STEL 300 ppm (885 mg/m^3)	TWA 200 ppm (590 mg/m^3) STEL 300 ppm (885 mg/m^3)	TWA 200 ppm (590 mg/m^3)	3000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; headache; dizziness; vomiting; dermatitis	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a moderately sharp, fragrant, mint- or acetone-like odor. BP: 175°F Fl.P: 16°F UEL(200°F): 11.4% LEL(200°F): 1.4% Class IB Flammable Liquid
Acenaphthene	83-32-9	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory system	Eyes, skin, respiratory system	Brown solid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Acetone	67-64-1	TWA 200 ppm STEL 500 ppm	TWA 250 ppm (590 mg/m^3)	TWA 1000 ppm (2400 mg/m^3)	2500 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, nose, throat; headache, dizziness, central nervous system depression; dermatitis	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a fragrant, mint-like odor BP: 133°F Fl.P: 0°F UEL: 12.8% LEL: 2.5% Class IB Flammable Liquid
Anthracene	65996-93-2	TWA 0.2 mg/m^3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
Antimony	7440-36-0	TWA 0.5 mg/m^3	TWA 0.5 mg/m^3	TWA 0.5 mg/m^3	50 mg/m^3 (as Sb	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, mouth; cough; dizziness; headache; nausea, vomiting, diarrhea; stomach cramps; insomnia; anorexia; unable to smell properly	Eyes, skin, respiratory system, cardiovascular system	Silver-white, lustrous, hard, brittle solid; scale-like crystals; or a dark-gray, lustrous powder. BP: 2975°F
Arsenic (inorganic)	7440-38-2 (metal)	TWA 0.01 mg/m3	Ca C 0.002 mg/m3 [15-min]	TWA 0.010 mg/m3	Ca [5 mg/m3 (as As)]	Inhalation; ingestion; skin absorption; skin and/or eye contact	Ulceration of nasal septum, dermatitis, GI disturbances, peripheral neuropathy, resp irritation, hyperpigmentation of skin, [potential occupational carcinogen]	Liver, kidneys, skin, lungs, lymphatic sys	Metal: sliver-gray or tin-white, brittle, odorless solid BP: sublimes
Asbestos	1332-21-4	TWA 0.1 f/cc	Ca 100,000 fibers/m3	TWA 0.1 fiber/cm3	Ca [IDLH value has not been determined]	Inhalation; ingestion; skin and/or eye contact	Asbestosis (chronic exposure), dyspnea, interstitial fibrosis, restricted pulmonary function, finger clubbing, irritation eyes, [potential occupational carcinogen]	Respiratory system, eyes,	White or greenish (chrysotile), blue (crocidolite), or gray-green (amosite), fibrous, odorless solids. BP: decomposes
Asphalt fumes	8052-42-4	TWA 0.5 mg/m^3(fumes)	Ca C 5 mg/m3 [15 min]	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; skin and/or eye contact	Irritation eyes, resp sys	Eyes, respiratory system	Black or dark brown cement-like substance Combustible solid
Barium	7440-39-3	TWA 0.5 mg/m3	None established	TWA 0.5 mg/m3	None established	Inhalation, ingestion, skin contact	Irritation skin, respiratory system,	Skin, eyes, respiratory system	Yellow white powder BP: 1640 C
Benzene	71-43-2	TWA 0.5 ppm STEL 2.5 ppm	Ca TWA 0.1 ppm STEL 1 ppm	TWA 1 ppm STEL 5 ppm	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude (weakness, exhaustion); dermatitis; bone marrow depression; [potential occupational carcinogen]	Eyes, skin, respiratory system, blood, central nervous system, bone marrow	Colorless to light yellow liquid with an aromatic odor [Note: Solid below 42 °F] BP: 176°F Fl.Pt = 12°F LEL: 1.2% UEL: 7.8% Class B Flammable liquid
Benzo[a]anthracene	56-55-3	None established	None established	None established	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	Irritation eyes, skin, respiratory system, CNS	Skin	Pale Yellow crystal, solid BP: 438 C

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Benzo[a]pyrene	50-32-8	None established	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin absorption; skin and/or eye contact	POISON. This material is an experimental carcinogen, mutagen, tumorigen, neoplastigen and teratogen. It is a probable carcinogen in humans and a known human mutagen. IARC Group 2A carcinogen. It is believed to cause bladder, skin and lung cancer. Exposure to it may damage the developing foetus. May cause reproductive damage. Skin, respiratory and eye irritant or burns.	Skin, eye, bladder, lung, reproductive	Yellow crystals or powder [found in cigarette smoke, coal tar, fuel exhaust gas and in many other sources] BP: 495 C
Benzo[b]fluoranthene	205-99-2	None established	TWA 0.1 mg/m3	TWA 0.2 mg/m3	None established	Inhalation; ingestion; skin and/or eye contact	No data were identified on the toxicity of benzo[b]fluoranthene to humans. Based on results of studies in animals, IARC concluded that benzo[b]fluoranthene is possibly carcinogenic to humans	Respiratory system, skin, bladder, kidneys	Off-white to tan powder
Benzo[k]fluoranthene	207-08-9	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, respiratory tract, gastrointestinal; fatal if swallowed, inhaled, absorbed through the skin; vomiting, nausea, diarrhea	Lungs, respiratory system	Yellow crystals BP: 480 C
Beryllium	7440-41-7 (metal)	TWA 0.002 mg/m^3	Ca C 0.0005 mg/m^3	TWA 0.002 mg/m^3 C 0.005 mg/m^3 (30 minutes) with a maximum peak of 0.025 mg/m^3	Ca [4 mg/m^3 (as Be)]	inhalation, skin and/or eye contact	Berylliosis (chronic exposure): anorexia, weight loss, lassitude (weakness, exhaustion), chest pain, cough, clubbing of fingers, cyanosis, pulmonary insufficiency; irritation eyes; dermatitis; [potential occupational carcinogen]	Eyes, skin, respiratory system	Metal: A hard, brittle, gray-white solid. BP: 4532°F
Bis(2-ethylhexyl) phthalate	117-81-7	TWA 5 mg/m^3	TWA 5 mg/m^3 STEL 10 mg/m^3 (do not exceed during andy 15-minute work period)	TWA 5 mg/m^3	None established	inhalation, skin and/or eye contact	Irritation eyes, skin, nose, throat; affect the nervous system and liver; damage to male reproductive glands	Eyes, skin, nose, respiratory system, nervous system, reproductive system, liver	Colorless to light colored, thick liquid with slight odor
Butane	106-97-8	TWA 1000 ppm	TWA 800 ppm (1900 mg/m^3)	None established	None established	inhalation, skin and/or eye contact (liquid)	Drowsiness, narcosis, asphyxia; liquid: frostbite	central nervous system	Colorless gas with a gasoline-like or natural gas odor. BP: 31°F UEL: 8.4% LEL: 1.6% Flammable Gas
Cadmium	7440-43-9 (metal)	TWA 0.01 mg/m^3	Ca	TWA 0.005 mg/m^3	Ca [9 mg/m^3 (as Cd)]	inhalation, ingestion	Pulmonary edema, dyspnea (breathing difficulty), cough, chest tightness, substernal (occurring beneath the sternum) pain; headache; chills, muscle aches; nausea, vomiting, diarrhea; anosmia (loss of the sense of smell), emphysema, proteinuria, mild anemia; [potential occupational carcinogen]	respiratory system, kidneys, prostate, blood	Metal: Silver-white, blue-tinged lustrous, odorless solid. BP: 1409°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Carbon Disulfide	75-15-0	TWA 1 ppm	TWA 1 ppm (3 mg/m^3) STEL 10 ppm (30 mg/m^3) [skin]	TWA 20 ppm C 30 ppm 100 ppm (30-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Dizziness, headache, poor sleep, lassitude (weakness, exhaustion), anxiety, anorexia, weight loss; psychosis; polyneuropathy; Parkinson-like syndrome; ocular changes; coronary heart disease; gastritis; kidney, liver injury; eye, skin burns; dermatitis; reproductive effects	central nervous system, peripheral nervous system, cardiovascular system, eyes, kidneys, liver, skin, reproductive system	Colorless to faint-yellow liquid with a sweet ether-like odor. BP: 116°F Fl.P: -22°F UEL: 50.0% LEL: 1.3% Class IB Flammable Liquid
Chlorobenzene	108-90-7	TWA 10 ppm	None established	TWA 75 ppm (350 mg/m^3)	1000 ppm	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; drowsiness, incoordination; central nervous system depression; in animals: liver, lung, kidney injury	Eyes, skin, respiratory system, central nervous system, liver	Colorless liquid with an almond-like odor BP: 270°F Fl.P: 82°F UEL: 9.6% LEL: 1.3%
Chloroethane	75-00-3	TWA 100ppm	Handle with caution in the workplace	TWA 1000 ppm (2600 mg/m^3)	3800 ppm [10%LEL]	inhalation, skin absorption (liquid), ingestion (liquid), skin and/or eye contact	Incoordination, inebriation; abdominal cramps; cardiac arrhythmias, cardiac arrest; liver, kidney damage	Liver, kidneys, respiratory system, cardiovascular system, central nervous system	Colorless gas or liquid (below 54°F) with a pungent, ether-like odor. BP: 54°F Fl.P: NA (Gas) -58°F (Liquid) UEL: 15.4% LEL: 3.8%
Chloroform	67-66-3	TWA 10 ppm	Ca STEL 2 ppm (9.78 mg/m^3) [60-minute]	C 50 ppm (240 mg/m^3)	Ca [500 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; dizziness, mental dullness, nausea, confusion; headache, lassitude (weakness, exhaustion); anesthesia; enlarged liver; [potential occupational carcinogen]	Liver, kidneys, heart, eyes, skin, central nervous system	Colorless liquid with a pleasant odor BP: 143°F
Chromium	7440-47-3	TWA 0.5 mg/m^3 (metal and Cr III compounds) TWA 0.05 mg/m^3 (water-soluble Cr IV compounds) TWA 0.01 mg/m^3 (insoluble Cr IV compounds)	TWA 0.5 mg/m^3	TWA 1 mg/m^3	250 mg/m^3 (as Cr)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin; lung fibrosis (histologic)	Eyes, skin, respiratory system	Blue-white to steel-gray, lustrous, brittle, hard, odorless solid. BP: 4788°F
Chrysene; Phenanthrene; Pyrene; Coal tar pitch volatiles	65996-93-2	TWA 0.2 mg/m3	Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction)	TWA 0.2 mg/m^3 (benzene-soluble fraction)	Ca [80 mg/m^3]	Inhalation, skin and/or eye contact	Dermatitis, bronchitis, [potential occupational carcinogen]	Respiratory system, skin, bladder, kidneys	Black or dark-brown amorphous residue. Combustible Solids
cis-1,2-Dichloroethene	158-59-2	TWA 200 ppm	TWA 200 ppm	TWA 200 ppm	None established	inhalation, skin absorption, ingestion	Harmful if swallowed, inhaled, or absorbed through skin. Irritant. Narcotic. Suspected carcinogen	Skin	Colorless liquid BP: 60 C Fl.P: 4 C UEL: 12.8% LEL: 9.7 %
Copper	7440-50-8	TWA 0.2mg/m^3 (fume) 1 mg/m^3 (dusts and mists)	TWA 1 mg/m^3	TWA 1 mg/m^3	100 mg/m^3 (as Cu)	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, respiratory system; cough, dyspnea (breathing difficulty), wheezing	Eyes, skin, respiratory system, liver, kidneys (increase(d) risk with Wilson's disease)	Noncombustible Solid in bulk form, but powdered form may ignite. BP: 4703°F
Dibenzo[a,h]anthracene	53-70-3	None established	None established	None established	None established	Inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin	Eyes, skin; skin photosensitization.	Colorless crystalline powder BP: 524°C

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Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Diesel Fuel #2	68476-34-6	None established	None established	Designated as an OSHA Select Carcinogen	None established	ingestion, skin and/or eye contact	Kidney damage; potential lung damage; suspected carcinogen; irritation of eyes, skin, respiratory tract; dizziness, headache, nausea; chemical pneumonitis (from aspiration of liquid); dry, red skin; irritant contact dermatitis; eye redness, pain.	Eyes, skin, kidneys	Clear yellow brown combustible liquid; floats on water; distinct diesel petroleum hydrocarbon odor. BP: 356-716°F Fl.P: 154.4-165.2°F LEL: 0.6% UEL: 7.0%
Ethylbenzene	100-41-4	TWA 100 ppm STEL 125 ppm	TWA 100 ppm (435 mg/m^3) STEL 125 ppm (545 mg/m^3)	TWA 100 ppm (435 mg/m^3)	800 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with an aromatic odor. BP: 277°F Fl.P: 55°F UEL: 6.7% LEL: 0.8% Class IB Flammable Liquid
Fluoranthene	206-44-0	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible burns; heart and liver injury, pulmonary edema, respiratory arrest, gastrointestinal disturbances.	Heart, liver, lungs.	Yellow needles.
Fluorene	86-73-7	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Irritation skin, digestive tract	Skin	White crystals BP: 563°F
Fuel Oil #2	68476-30-2	TWA 100mg/m^3 (aerosol and vapor, as total hydrocarbons)	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS effects; nausea, vomiting, headache, cramping, dizziness, weakness, loss of coordination,, drowsiness; kidney, liver damage	Eyes, skin, CNS	Clear or yellow to red oily liquid, kerosene-like odor BP: 347 - 689 °F UEL:5-6% LEL: 0.7-1.0%
Gasoline	8006-61-9	TWA 300 ppm STEL 500 ppm	Carcinogen	None established	Ca [IDLH value has not been determined]	Skin absorption; inhalation; ingestion; skin and/or eye contact	Eyes and skin irritation, mucous membrane; dermatitis; headache; listlessness, blurred vision, dizziness, slurred speech, confusion, convulsions; chemical pneumonitis; possible liver, kidney damage [Potential occupational carcinogen]	Eyes, skin, respiratory system, CNS, Liver, Kidneys	Clear liquid with a characteristic odor, aromatic Fl.Pt = -45°F LEL = 1.4% UEL = 7.6% Classs 1B Flammable Liquid
Hexachlorobutadiene	87-68-3	TWA 0.02 ppm	Ca TWA 0.02 ppm (0.24 mg/m^3) [skin]	None established	Ca [N.D.]	inhalation, skin absorption, ingestion, skin and/or eye contact	In animals: irritation eyes, skin, respiratory system; kidney damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, kidneys	Clear, colorless liquid with a mild, turpentine-like odor. BP: 419°F

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Hydrogen Sulfide	7783-06-4	TWA (10 ppm) STEL (15 ppm) (adopted values for which changes are proposed in the NIC)	C 10 ppm (15 mg/m^3) [10-minute]	C 20 ppm 50 ppm [10-minute maximum peak]	100 ppm	inhalation, skin and/or eye contact	Irritation eyes, respiratory system; apnea, coma, convulsions; conjunctivitis, eye pain, lacrimation (discharge of tears), photophobia (abnormal visual intolerance to light), corneal vesiculation; dizziness, headache, lassitude (weakness, exhaustion), irritability, insomnia; gastrointestinal disturbance; liquid: frostbite	Eyes, respiratory system, central nervous system	Colorless gas with a strong odor of rotten eggs. BP: -77°F UEL: 44.0% LEL: 4.0% Flammable Gas
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impariment of blood forming tissue	Skin	Fluorescent green-yellow crystalline solid BP: 536 C
Indeno[1,2,3-cd]pyrene	193-39-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; possible human carcinogen (skin); weakness; affect liver, lung tissue, renal tissue; impariment of blood forming tissue	Skin	Yellowish crystal solid BP: 536 C
Isopropylbenzene	98-82-8	TWA 50 ppm	TWA 50 ppm (245 mg/m^3) [skin]	TWA 50 ppm (245 mg/m^3) [skin]	900 ppm [10%LEL]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, mucous membrane; dermatitis; headache, narcosis, coma	Eyes, skin, respiratory system, central nervous system	Colorless liquid with a sharp, penetrating, aromatic odor. BP: 306°F Fl.P: 96°F UEL: 6.5% LEL: 0.9%
Kerosene	8008-20-6	TWA 200 mg/m^3	TWA 100 mg/m^3	None established	IDLH value has not been determined	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; burning sensation in chest; headache, nausea, lassitude (weakness, exhaustion), restlessness, incoordination, confusion, drowsiness; vomiting, diarrhea; dermatitis; chemical pneumonitis (aspiration liquid)	Eyes, skin, respiratory system, central nervous system	Colorless to yellowish, oily liquid with a strong, characteristic odor. BP: 347-617°F Fl.P: 100-162°F UEL: 5% LEL: 0.7% Class II Combustible Liquid
Lead	7439-92-1	TWA 0.05 mg/m^3	TWA (8-hour) 0.050 mg/m^3	TWA 0.050 mg/m^3	100 mg/m^3 (as Pb)	inhalation, ingestion, skin and/or eye contact	Lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension	Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue	A heavy, ductile, soft, gray solid. BP: 3164°F Noncombustible Solid in bulk form

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Manganese	7439-96-5 (metal)	TWA 0.2 mg/m^3	TWA 1 mg/m^3 STEL 3 mg/m^3	C 5 mg/m^3	500 mg/m^3 (as Mn)	inhalation, ingestion	Manganism; asthenia, insomnia, mental confusion; metal fume fever: dry throat, cough, chest tightness, dyspnea (breathing difficulty), rales, flu-like fever; low-back pain; vomiting; malaise (vague feeling of discomfort); lassitude (weakness, exhaustion); kidney damage	respiratory system, central nervous system, blood, kidneys	A lustrous, brittle, silvery solid. BP: 3564°F
Mercury (organo) alkyl compounds (as Hg)	7439-97-6	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 STEL 0.03 mg/m^3 [skin]	TWA 0.01 mg/m^3 C 0.04 mg/m^3	2 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Paresthesia; ataxia, dysarthria; vision, hearing disturbance; spasticity, jerking limbs; dizziness; salivation; lacrimation (discharge of tears); nausea, vomiting, diarrhea, constipation; skin burns; emotional disturbance; kidney injury; possible teratogenic effects	Eyes, skin, central nervous system, peripheral nervous system, kidneys	Appearance and odor vary depending upon the specific (organo) alkyl mercury compound
Mercury compounds [except (organo) alkyls] (as Hg) Mercury	7439-97-6	TWA 0.025 mg/m^3 (elemental and inorganic forms)	Hg Vapor: TWA 0.05 mg/m^3 [skin] Other: C 0.1 mg/m3 [skin]	TWA 0.1 mg/m^3	10 mg/m^3 (as Hg)	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria	Eyes, skin, respiratory system, central nervous system, kidneys	Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.] BP: 674°F
Methyl tert-butyl ether (MTBE)	1634-04-4	TWA 50 ppm	No established REL	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, mucous membrane, respiratory; dizziness, nausea, headache, intoxication	Eyes, skin, mucous membrane, respiratory system, central nervous system	Colorless liquid BP: 55.2 C
Methylene Chloride	75-09-2	TWA 50 ppm, A3 - suspected human carcinogen	Ca	TWA 25 ppm STEL 125 ppm	Ca [2300 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; lassitude (weakness, exhaustion), drowsiness, dizziness; numbness, tingle limbs; nausea; [potential occupational carcinogen]	Eyes, skin, cardiovascular system, central nervous system	Colorless liquid with a chloroform-like odor BP: 104°F UEL: 23% LEL: 13%
Metals Remediation Compound (MRC): Glycerol Tripolylactate Sorbitol Cysteinate Lactic Acid Glycerol	 201167-72-8 444618-64-8 50-21-5 56-81-5	None established	None established	None established	None established	inhalation, ingestion, skin absorption, skin and/or eye contact	Irritation eyes, skin, respiratory tract	Behavioral (headache), gastrointestinal tract, reproductive system	Viscous amber gel/liquid; strong amine/sulfur odor
Naphtha (coal tar)	8030-30-6	None established	TWA 100 ppm (400 mg/m^3)	TWA 100 ppm (400 mg/m^3)	1000 ppm [10%LEL]	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose; dizziness, drowsiness; dermatitis; in animals: liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Reddish-brown, mobile liquid with an aromatic odor BP: 320-428°F Fl.P: 100-109°F Class II Combustible Liquid

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Naphthalene	91-20-3	TWA 2 ppm STEL 15 ppm	TWA 10 ppm (50 mg/m^3) STEL 15 ppm (75 mg/m^3)	TWA 10 ppm (50 mg/m^3)	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage	Eyes, skin, blood, liver, kidneys, central nervous system	Colorless to brown solid with an odor of mothballs. BP: 424°F Fl.P: 174°F UEL: 5.9% LEL: 0.9%
n-Butylbenzene	104-51-8	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; CNS depression, lung damage; nausea, vomiting, headache, dizziness, weakness, loss of coordination, blured vision, drowsiness, confusion, disorientation	Eyes, skin,repiratory system, central nervous system	Colorless liquid with a sweet odor BP: 183 C Fl.P: 59 C UEL: 5.8% LEL: 0.8%
Nickel	7440-02-0 (Metal)	TWA 1.5 mg/m^3 (elemental) TWA 0.1 mg/m^3 (soluble inorganic compounds) TWA 0.2 mg/m^3 (insoluble inorganic compounds) TWA 0.1 mg/m^3 (Nickle subsulfide)	Ca TWA 0.015 mg/m^3	TWA 1 mg/m^3	Ca [10 mg/m^3 (as Ni)]	inhalation, ingestion, skin and/or eye contact	Sensitization dermatitis, allergic asthma, pneumonitis; [potential occupational carcinogen]	Nasal cavities, lungs, skin	Metal: Lustrous, silvery, odorless solid. BP: 5139°F
Nitrobenzene	98-95-3	TWA 1 ppm	TWA 1 ppm (5 mg/m^3) [skin]	TWA 1 ppm (5 mg/m^3) [skin]	200 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; anoxia; dermatitis; anemia; methemoglobinemia; in animals: liver, kidney damage; testicular effects	Eyes, skin, blood, liver, kidneys, cardiovascular system, reproductive system	Yellow, oily liquid with a pungent odor like paste shoe polish. BP: 411°F Fl.P: 190°F LEL(200°F): 1.8%
n-Propylbenzene	103-65-1	None established	None established	None established	None established	inhalation, ingestion, skin and/or eye contact	Harmful if swallowed, Irritation eyes, skin, digestive tract, respiratory tract, central nervous system	Eyes, skin, central nervous system, respiratory system	colorless or light yellow liquid BP: 159 C Fl.P: 47 C UEL: 6% LEL: 0.8%
Petroleum hydrocarbons(Petroleum distillates)	8002-05-9	None established	TWA 350 mg/m^3 C 1800 mg/m^3 [15 min]	TWA 500 ppm (2000 mg/m^3)	1,100 [10% LEL]	Inhalation; ingestion; skin and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, drowsiness, headache, nausea; dried/cracked skin; chemical pneumonitis	CNS, eyes, respiratory system, skin	Colorless liquid with a gasoline or kerosene-like odor BP: 86-460°F Fl. Pt = -40 to -86°F UEL: 5.9% LEL: 1.1% Flammable liquid
Phenol	108-95-2	TWA 5 ppm	TWA 5 ppm (19 mg/m^3) C 15.6 ppm (60 mg/m^3) [15-minute] [skin]	TWA 5 ppm (19 mg/m^3) [skin]	250 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose, throat; anorexia, weight loss; lassitude (weakness, exhaustion), muscle ache, pain; dark urine; cyanosis; liver, kidney damage; skin burns; dermatitis; ochronosis; tremor, convulsions, twitching	Eyes, skin, respiratory system, liver, kidneys	Colorless to light-pink, crystalline solid with a sweet, acrid odor. BP: 359°F UEL: 8.6% LEL: 1.8%

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
p-Isopropyltoluene	99-87-6	None established	None established	None established	None established	inhalation, skin absorption, eye contact	Irritation skin	CNS, skin	Colorless, clear liquid, sweetish aromatic odor BP: 350.8°F Class III Flammable liquid
Regenox Part A: Sodium Percarbonate Sodium Carbonate Monohydrate Silicic Acid Silica Gel	 15630-89-4 5968-11-6 7699-11-6 63231-67-4	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation respiratory tract, mucous membranes, nose, throat, eyes, skin; gastrointestinal disturbance	Respiratory system, eyes, skin	Odorless, white, powder [Note: Self-accelerating decomposition with oxygen release starts at 50° C]
Regenox Part B: Silicic Acid, Sodium Salt, Sodium Silicate; Silica Gel; Ferrous Sulfate; Water	 1344-09-8 63231-67-4 7720-78-7 7732-18-5	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation respiratory tract, mucous membranes, nose, throat, eyes, skin, mouth, esophagus and stomach	Respiratory system, eyes, skin, gastrointestinal tract	Odorless, Blue/Green, liquid [Note: Oxides of carbon and silicon may be formed when heated to decomposition]
sec-Butylbenzene	135-98-8	None established	None established	None established	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, upper airway; central nervous system, headache, dizziness; gastrointestinal disturbance	Respiratory system, central nervous system, eyes, skin;	Colorless liquid BP: 344°F Fl.P: 126 °F UEL: 6.9% LEL: 0.8% Combustible liquid
Selenium	7782-49-2	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	TWA 0.2 mg/m^3	1 mg/m^3 (as Se)	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; visual disturbance; headache; chills, fever; dyspnea (breathing difficulty), bronchitis; metallic taste, garlic breath, gastrointestinal disturbance; dermatitis; eye, skin burns; in animals: anemia; liver necrosis, cirrhosis; kidney, spleen damage	Eyes, skin, respiratory system, liver, kidneys, blood, spleen	Amorphous or crystalline, red to gray solid. [Note: Occurs as an impurity in most sulfide ores.] BP: 1265°F
Silver	7440-22-4 (metal)	TWA 0.1 mg/m^3 (metal, dust, fumes) TWA 0.01 mg/m^3 (Soluble compounds, as Ag)	TWA 0.01 mg/m^3	TWA 0.01 mg/m^3	10 mg/m^3 (as Ag)	inhalation, ingestion, skin and/or eye contact	Blue-gray eyes, nasal septum, throat, skin; irritation, ulceration skin; gastrointestinal disturbance	Nasal septum, skin, eyes	Metal: White, lustrous solid BP: 3632°F
Slop Oil	69029-75-0	None established	None established	None established	None established	Inhalation; ingestion	Irritation eyes, skin, gastrointestinal tract	Eyes, skin, gastrointestinal tract	Clear light to dark amber liquid, with mild hydrocarbon odor. BP: >500°F Fl.P : 250°F
Sulfuric Acid	7664-93-9	TWA 0.2 mg/m^3	TWA 1 mg/m^3	TWA 1 mg/m^3	15 mg/m^3	inhalation, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat; pulmonary edema, bronchitis; emphysema; conjunctivitis; stomatis; dental erosion; eye, skin burns; dermatitis	Eyes, skin, respiratory system, teeth	Colorless to dark-brown, oily, odorless liquid. BP: 554°F Noncombustible Liquid
tert-Butylbenzene	98-06-6	None established	None established	None established	None established	inhalation, skin absorption, ingestion,	Eye and respiratory irritant; CNS depression; liver or kidney damage	Respiratory system, central nervous system, eyes, liver, kidney	Colorless liquid with an aromatic odor BP: 168 - 169 C Fl.P: 34 C UEL:5.6 % LEL: 0.8 %

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

Compound	CAS #	ACGIH TLV	NIOSH REL	OSHA PEL	IDLH	Routes of Exposure	Toxic Properties	Target Organs	Physical/Chemical Properties
Tetrachloroethene	127-18-4	TWA 25 ppm STEL 100 ppm (STEL) listed as A3, animal carcinogen	Ca Minimize workplace exposure concentrations	TWA 100 ppm C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm	Ca [150 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	Eyes, skin, respiratory system, liver, kidneys, central nervous system	Colorless liquid with a mild, chloroform-like odor. BP: 250°F Noncombustible Liquid
Toluene	108-88-3	TWA 20 ppm	TWA 100 ppm (375 mg/m^3) STEL 150 ppm (560 mg/m^3)	TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)	500 ppm	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, nose; lassitude (weakness, exhaustion), confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage	Eyes, skin, respiratory system, central nervous system, liver, kidneys	Colorless liquid with a sweet, pungent, benzene-like odor. BP: 232°F Fl.P: 40°F UEL: 7.1% LEL: 1.1% Class IB Flammable Liquid
trans-1,2-Dichloroethene	156-60-5	TWA 200 ppm	None established	TWA 200 ppm STEL 250 ppm (skin)	None established	inhalation, skin absorption, ingestion, skin and/or eye contact	Narcotic. Irritation eyes, skin, respiratory tract, mucous membrane; CNS depression.	Respiratory tract, mucous membrane, eyes, skin, CNS	Colorless liquid with a fruity pleasant odor BP: 48°C Fl.P 6C UEL: 12.8% LEL: 9.7%
Trichloroethene	79-01-6	TWA 10 ppm STEL 25 ppm	Ca	TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)	Ca [1000 ppm]	inhalation, skin absorption, ingestion, skin and/or eye contact	Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system	Colorless liquid (unless dyed blue) with a chloroform-like odor. BP: 189°F UEL(77°F): 10.5% LEL(77°F): 8%
Vinyl Chloride	75-01-4	TWA 1 ppm	Carcinogen	TWA 1 ppm C 5 ppm [15-minute]	Ca [IDLH value has not been determined]	inhalation, skin, and/or eye contact (liquid)	Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]	Liver, central nervous system, blood, respiratory system, lymphatic system	Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. BP: 7°F UEL: 33.0% LEL: 3.6% Flammable Gas
Xylene (m, o & p isomers)	108-38-3, 95-47-6, 106-42-3	TWA 100 ppm (435 mg/m^3) STEL 150 ppm	TWA 100 ppm (435 mg/m^3)	TWA 100 ppm (435 mg/m^3)	900 ppm	Skin absorption, inhalation, ingestion, skin, and/or eye contact	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, incoordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis	Eyes, skin, respiratory system, central nervous system, gastrointestinal tract, blood, liver, kidneys	Colorless liquid with an aromatic odor BP: 282°F, 292°F, 281°F Fl. Pt. 82°F, 90°F, 81°F LEL: 1.1%, 0.9%, 1.1% UEL: 7.0%, 6.7%, 7.0% Classs C Flammable Liquid
Zinc	7440-66-6	TWA 10 mg/m3 (Inhalable fraction)	None established	TWA 10 mg/m3 (for zinc oxide fume)	None established	skin and/or eye contact, inhalation, ingestion	Irritation eyes, skin, respiratory tract; gastrointestinal disturbances	Eyes, skin, respiratory system	Bluish gray solid BP: 1664.6°F Flammable

Table 1. Toxicological, Physical, and Chemical Properties of Compounds Potentially Present at 5530 Broadway, Bronx, New York

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Abbreviations:

ACGIH – American Conference of Governmental Industrial Hygienists.
BP – boiling point at 1 atmosphere, °F
C – Ceiling, is a concentration that should not be exceeded during and part of the working exposure.
Ca - considered by NIOSH to be a potential occupational carcinogen
CAS# Chemical Abstracts Service registry number which is unique for each chemical.
Fl. Pt. – Flash point
IDLH - Immediately Dangerous to Life and Health concentrations represent the maximum concentration
from which, in the event of respirator failure, one could escape within 30 minutes without a respirator
and without experiencing any escape-impairing or irreversible health effects.
LEL – Lower explosive (flammable) limit in air, % by volume (at room temperature)
mg/m^3 – Milligrams of substance per cubic meter of air
NIOSH -National Institute for Occupational Safety and Health.
OSHA – Occupational Safety and Health Administration
PEL - OSHA Permissible Exposure Limit (usually) a time weighted average concentration that must not be exceeded during any 8 hour work shift of a 40 hr work week.
ppm – parts per million
REL – NIOSH Recommended Limit indicated a time weighted average concentration that must not be exceeded during any 10 hour work shift of a 40 hr work week
STEL – Short-term exposure limit
TLV -ACGIH Threshold Limit Values (usually 8 hour time weighted average concentrations).
TWA – 8-hour, time-weighted average
UEL – Upper explosive (flammable) limit in air, % by volume (at room temperature)

TABLE 2

ACTION LEVELS FOR WORKER BREATHING ZONE

Instrument	Action Level *	Level of Respiratory Protection/Action
PID	0 to <5 ppm (one minute sustained)	Level D *
PID	>5 to <50 ppm (one minute sustained)	Utilize APR (Level C)
PID	>50 to <100 ppm (one minute sustained)	Level B
PID	>100ppm	Stop work** (ventilate, apply foam)
CGI/H_2S Meter	<5%	Level D
CGI/H_2S Meter	>5% to <25%	Level B
CGI/H_2S Meter	>25%	Stop work**
CGI/CO Meter	>25%	Level B
CGI/CO Meter	>50%	Stop work** (ventilate area)
CGI/O_2 Meter	<10% LEL, in excavation	Level D
	19.5% oxygen – 23.5%	Level D
CGI/O_2 Meter	>10% LEL, in excavation	Allow to vent, apply foam**
	>23.5% oxygen	Stop work, Oxygen Enriched ATM**
Dust Monitor	0 – 1.0 mg/m^3, 5-minutes average	Level D
Dust Monitor	>1.0 to 5.0 mg/m^3, 5-minutes average	Level D – Institute dust suppression measures
Dust Monitor	5.0 to >50 mg/m^3, 5-minute average	Level C – Institute dust suppression measures

Note: Action levels are based on above background levels.

* Instrument readings will be taken in the breathing zone (BZ) of the workers, unless otherwise indicated.

** Suspend work in immediate area. Conduct air monitoring periodically to determine when work can continue. Implement mitigative measures.

APPENDIX A

Activity Hazard Analysis and Material Safety Data Sheets

JOB SAFETY ANALYSIS	Cntrl. No. GEN-011	DATE: 12/31/2012	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Site Recon**	**Site Walk and Inspection**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Chelsea Willett	Staff Assistant Geologist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: ear plugs as necessary ☒ SAFETY SHOES: Steel or composite toed	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: High-visibility vest, long sleeves	☒ GLOVES: Leather/cut-resistant/chemical resistant ☒ OTHER: tyvek and rubber boots as necessary, dust mask as necessary

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Site map and/or guide familiar with Site, operating cell phone or walkie-talkie if Site allows.

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE (EZ): A minimum 10' exclusion zone will be maintained around equipment.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Check in with Site manager.	**1a. CONTACT/EXPOSURE/FALL:** Lack of communication could result in H&S incident.	1a. Inform Site personnel of work scope, timeline and location(s). 1a. Inquire about other activities taking place at the Site.
2. Traversing the Site and setting up at work locations.	**2a. CONTACT:** Property damage and personal injury caused by obstructions/vehicles.	2a. Maintain speed limit of 5 mph on-site. 2a. All equipment must be stowed and secured prior to moving. Use wheel chocks on all construction vehicles when not in motion. 2a. Drive on established roadways. 2a. Yield to all pedestrians. 2a. Do not back up vehicle without spotter where visibility is limited; use pull-through spots or back into parking spots; use an audible signal (horn/back-up alarm) when backing up vehicles. 2a. Wear high visibility clothing/safety vest.
	2b. FALL: Uneven terrain and weather conditions. Overgrown shrubs and vines. Equipment in the workzone.	2b. Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 2b. Use established pathways and walk on stable, secure ground.
	2c. OVEREXERTION: Muscle strain while carrying equipment.	2c. When carrying equipment to/from work area, use proper lifting techniques; keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Use mechanical assistance or make multiple trips to carry equipment. 2c. Two people or a mechanical lifting device are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
	2d. EXPOSURE: Biological hazards - ticks, bees/wasps, poison ivy, insects, etc. (Ticks are most active any time the temperature is above freezing, typically from March to November)	2d. Inspect area to avoid contact with biological hazards. 2d. Ticks: • Treat outer clothing including pants, shirts, socks, boots and hats the evening before use with Permethrin (allowing at least two hours before use). • Apply DEET to exposed skin before travelling to the Site and reapply after two hours. • Check for ticks during and after work. 2d. Bees: Use bee spray to remove nests. Protect exposed skin with insect repellent. 2d. Poison Ivy: • Identify areas of poison ivy and spray with weed killer. Don Tyvek and rubber boots while traversing poison ivy areas. • If skin comes in contact with poison ivy, wash skin thoroughly with soap and water.
	2e. EXPOSURE: Sun, possibly causing sunburn.	2e. Wear sunscreen with SPF 15 or greater on exposed skin whenever 30 minutes or more of sun exposure is expected.

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[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift." Avoid general statements such as, "be careful."

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Define and secure the work area.	**3a. CONTACT:** Personal injury or property damage from other vehicles on-site.	3a. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route. 3a. Look both ways in high traffic areas. 3a. Position vehicle to protect against oncoming traffic. 3a. Use 42" traffic cone and caution tapesto delineate work area. Use a spotter in high traffic areas. 3a. Wear high visibility clothing/safety vest.
4. Walking near heavy equipment and machinery.	**4a. CONTACT:** Personal injury from Site and roadway traffic. Personal injury from flying debris.	4a. See 3a. 4a. Place traffic cones to re-direct traffic flow around work area and to alert others as to activity taking place. 4a. Maintain a minimum exclusion zone of 10 feet from all equipment. Task specific JSAs should be referenced to determine the actual exclusion zone for that piece of equipment being used. 4a. Keep body parts from being present within the line of fire of pinch points. 4a. Routinely inspect work area and be aware of location of all Site personnel. Make eye contact with operator prior to entering the work area. 4a. Wear safety glasses.
	4b. OVEREXERTION: Personal injury from lifting/moving/rotating equipment.	4b. See 2c.
	4c. EXPOSURE: Hearing damage from excavation activities. Inhalation/exposure to hazardous vapors and or dust.	4c. Monitoring air quality with multi-gas meter and dust meter, if necessary. Utilize water to suppress dust, if necessary. Wear dust mask, if necessary. 4c. Wear hearing protection if >85 dB. 4c. Always wear leather gloves when handling any tools or equipment. Wear cut-resistant gloves (Kevlar or similar) when handling sharp objects or cutting tools.
	4d. EXPOSURE: Working in a remote area.	4d. Use the "buddy system" whenever possible. If working alone, contact PM upon arrival/departure, as well as during work activities to be established by the PM prior to commencing work. 4d. Always carry a communication (i.e., cell phone, walkie-talkie) or directional (i.e., map, compass, etc.) device when traversing remote areas.
5. Working in adverse weather conditions.	**5a. EXPOSURE:** Heat Stress & Cold Stress. Personal injury from working in inclement weather conditions.	5a. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 5a. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 5a. Wear appropriate rain gear. 5a. Take frequent breaks if tired, wet, or cold/hot. Drink water. 5a. If lightning is observed, wait 30 minutes after last thunder boom/lightning bolt in a sheltered location (car acceptable) before starting work again.
6. Departing Site.	**6a. EXPOSURE:** Exposure to hazards should personnel believe Roux is on-Site during an emergency.	6a. Sign out or notify Site personnel of your departure.

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JOB SAFETY ANALYSIS	Cntrl. No. GEN-010	DATE: 12/31/2012	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Site Recon**	**Mobilization/Demobilization**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Jared Lefkowitz	Staff Assistant Scientist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Steel Toe or composite toe	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest of high-visibility clothing; long sleeve shirt; long pants	☐ GLOVES: Leather, nitrile, and cut resistant (as needed) ☐ OTHER

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment:

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A minimumexclusion zone of 10' will be maintained around moving equipment (if necessary)

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilize/demobilize and establish work area	**1a. FALL:** Slip/trips/falls from obstructions, uneven terrain, weather conditions, heavy loads, and/or poor housekeeping.	1a. Use 3 points-of-contact/ensure secure footing when entering and exiting vehicle. 1a. Inspect walking path for uneven terrain, steep hills, obstructions, and/or weather-related hazards (i.e., ice, snow, and puddles) prior to mobilizing equipment. Use established pathways.Walk on stable/secure ground. 1a. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1a. Wear boots with adequate treads. 1a. Delineate unsafe areas with 42" cones, caution tape and/or flagging.
	1b. CONTACT: Personal injury and/or property damage caused by being struck by Site traffic or equipment used in Site activities.	1b. Observe and maintain the posted speed limits. 1b. When first arriving onsite, park vehicles in designated parking space and/or out of the way locations. Use parking brake on all vehicles and tire chocks on work trucks and trailers. 1b. Check in with Site Manager/Supervisor to ensure coordination with other Site activities. 1b. Identify potential traffic sources. 1b. Wear PPE including high visibility clothing or reflective vest. 1b. Use a spotter while moving work vehicles; plan ahead to avoid backing when unnecessary. 1b. Maintain a minimum 10' exclusion zone when vehicles are in motion. When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. 1b. Delineate work area with 42" cones, flags, caution tape, and/or other barriers. 1b. Position "Work Area" signs at Site entrances, if possible, or at either side of work area. 1b. Position largest vehicle to protect against oncoming traffic. 1b. Face traffic, maintain eye contact with oncoming vehicles, use a spotter, and establish a safe exit route.
	1c. CAUGHT: Personal injury from pinch points and being in line-of-fire of vehicle and/or equipment.	1c. Make sure driver has engaged parking brake and placed wheel chocks in a position to prevent movement. Be sure that vehicle is parked in front/down gradient of work area. 1c. Wear leather gloves when handling any tools or equipment. Avoid wearing loose clothing. Wear cut-resistant gloves (Kevlar or similar) when handling sharp objects/cutting tools. 1c. Keep body parts away from line-of-fire of equipment. 1c. Always carry tools by the handles and/or designated carrier. Ensure sharp-edged tools are sheathed/secure. 1c. Remove any loose jewelry. Ensure loose clothing is secure.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
	1d. OVEREXERTION: Muscle strains while lifting/carrying equipment.	1d. Use body positioning and lifting techniques that avoid muscle strain; keep back straight, lift with legs, keep load close to body, and never reach with a load. 1d. Ensure that loads are balanced. Use assistance (mechanical or additional person) to carry equipment that is either awkward to carry or over 50 lbs.
	1e. EXPOSURE: Personal injury from exposure to biological and environmental hazards.	1e. Inspect area to avoid contact with biological hazards (i.e. poisonous plants, stinging insects, ticks, etc.). 1e. Wear long sleeved clothes, apply insect repellant containing DEET, and inspect clothes and skin for ticks during and after work. 1e. Apply sunscreen (SPF 15+) if exposure to sun for 30 minutes or more is expected.
	1f. EXPOSURE: Heat and cold related injuries.	1f. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). Take breaks as needed. 1f. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). Take breaks as needed. 1f. Wear clothing appropriate for weather and temperature conditions (e.g., rain jackets, snow pants, multiple layers). 1f. If lightning is observed, wait 30 minutes in a sheltered location (car is acceptable) before resuming work.
	1g. EXPOSURE: Personal injury from noise hazards.	1g. Wear hearing protection if sound levels exceed 85 dBA.

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JOB SAFETY ANALYSIS	**Ctrl. No. GEN-005**	DATE 12/10/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE:	WORK ACTIVITY (Description):
Generic	**Gauging and Sampling**	**Gauging and Sampling**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Gina Masciello	Project Scientist	Curtis Taylor	SHSM
		Michael Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Knee pads, Insect Repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

42 inch Safety Cones, Caution Tape, Interface Probe and/or Water Level Meter, 20 lb. Fire Extinguisher, Buckets. Tools as needed: Socket Wrench, Screw Driver, Crow Bar, Mallet, and Wire Brush.

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization to monitoring well(s).	1a. **FALL:** Personal injury from slip/trip/fall due to uneven terrain and/or obstructions. 1b. **CONTACT:** With traffic/third parties. 1c. **EXPOSURE:** To biological hazards.	1a. Inspect pathway and plan for most suitable designated pathway prior to mobilization. 1a. Use established pathways, walk and/or drive on stable, secure, ground and avoid steep hills or uneven terrain. 1b. Identify potential traffic sources and delineate work area with 42 inch traffic safety cones. Position vehicle to protect against oncoming traffic. Use caution tape to provide a more visible delineation of the work area if necessary. 1b. Wear appropriate PPE including high visibility clothing or reflective vest. 1b. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route. 1c. Inspect work area for bees and insects. 1c. Use insect/tick repellent as necessary.
2. Open/close well.	2a. **OVEREXERTION:** Muscle strain. 2b. **CAUGHT:** Pinch points associated with removing/replacing manholes and working with hand tools. 2c. **EXPOSURE:** To potential hazardous vapors.	2a. Use proper lifting techniques; keep back straight, lift with legs and bend knees when reaching to open/close well. 2b. Wear leather gloves or cut resistant gloves when working with well cover and hand tools. 2b. Use proper tools (ratchet and pry bar for well cover) and inspect before use. 2b. Do not put fingers under well cover. 2c. No open flames/heat sources. 2c. To minimize exposure to vapors allow well to vent after opening it and before sampling activities begin. 2c. Stand up-wind, if possible, to avoid vapors.
3. Gauge well.	3a. **CONTACT:** With contamination (e.g. contaminated groundwater). 3b. **CONTACT:** With traffic.	3a. Wear chemical-resistant disposable gloves and safety glasses when gauging well. 3a. Insert and remove probe slowly to avoid splashing. 3a. Use an absorbent pad to clean probe. 3b. See 1b.
4. Purge and sample well.	4a. **EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors) and/or sample preservatives.	4a. Open and fill sample jars slowly to avoid splashing and contact with preservatives. 4a. Wear cut-resistant gloves and chemical-resistant disposable gloves when sampling. 4a. Fill sample containers over purge container to avoid spilling water onto the ground. 4a. Use an absorbent pad to clean spills.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
4. Purge and sample well (Continued).	4b. **CONTACT:** Personal injury from cuts, abrasions, or punctures by glassware or sharp objects.	4b. To avoid spills or breakage, place sample ware on even surface. 4b. Do not over tighten caps on glass sample ware. 4b. Wear cut-resistant (i.e., Kevlar) gloves and chemical-resistant disposable gloves when sampling and handling glassware (i.e., VOA vials) or when using cutting tools.
	4c. **EXERTION:** Muscle strain while carrying equipment.	4c. Use proper lifting techniques when handling/moving equipment; bend knees and keep back straight. 4c. Use mechanical assistance or team lifting techniques when equipment is 50lbs or heavier. 4c. Make multiple trips to carry equipment.
	4d. **CONTACT:** With traffic.	4d. See 1b.
5. Management of purge water.	5a. **EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors).	5a. Do not overfill container and pour liquids in such a manner that they do not splash. 5a. Properly dispose of used materials/PPE in appropriate container in designated storage area.
	5b. **EXERTION:** Muscle strain from lifting/carrying and moving containers.	5b. Use proper lifting techniques when lifting / carrying or moving container(s) (see 4c.). 5b. Do not overfill container(s).
6. Decontaminate equipment.	6a. **EXPOSURE/CONTACT:** To contamination (e.g., SPH, contaminated groundwater, vapors).	6a. Work on the upwind side, where possible, of decon area. 6a. Wear chemical-resistant disposable gloves and safety glasses. 6a. Use an absorbent pad to clean spills.

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JOB SAFETY ANALYSIS	**Cntrl. No. GEN-009**	DATE: 12//31/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Hand Tools**	**Pre-Clearing activities, including Air Knifing and Soil Vacuuming**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Alyssa Lau	Staff Engineer	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☒ FACE SHIELD (while air knifing) ☒ HEARING PROTECTION (as needed) ☒ SAFETY SHOES: Steel or composite toed	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	☒ GLOVES: Nitrile and cut resistant ☒ OTHER: Dust mask (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment: Air Knife, Vactor Truck (Vac Truck), Compressor, Hand Tools, Photoionization Detector, Multi-Gas Meter, Traffic Cones, 20 lb. Fire Extinguisher, "Work Area" and/or "Exclusion Zone" Signs

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A 10 foot exclusion zone will be maintained around air knife and/or soil vacuum operations.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Verify pre-clearance protocol.	1a. **CONTACT**: Underground utility damage; property damage; personal injury. See Site Walk Inspection JSA for potential hazards.	1a. Confirm that local utility companies were contacted prior to drilling. 1a. Walk the Site to evaluate utility markings and review maps (**See Site Walk Inspection JSA for critical actions**). 1a. Review pre-clearing checklist form and sub-surface clearance form. Pre-clearing protocol indicates that clearance must be conducted to a minimum of 5 vertical feet below ground surface or 8 vertical feet below ground surface in the critical zone using hand tools.
2. Mobilize/demobilize and establish work area.	2a. **See Mobilization / Demobilization JSA for potential hazards.**	2a. **See Mobilization / Demobilization JSA for critical actions.**
3. Pre-clear with air knife and soil vacuum, and/or clearance with hand tools	3a. **CONTACT**: Flying debris. 3b. **EXPOSURE/ENERGY SOURCE**: Inhalation/exposure to hazardous vapors; inhalation/exposure to dust; electrocution. 3c. **CONTACT:** Damage to unknown/known utility with air knife. 3d.**OVEREXERTION**: Poor body positioning when handling equipment and materials.	3a. **Maintain 10 foot exclusion zone.** Only (air knife/vac truck) operator and designated helper shall remain within exclusion zone while air knife/vac truck is active. Use the required PPE, including (at a minimum), cut resistant gloves, safety glasses with side shields, and long sleeved shirt. 3a. Wear a face shield to protect face from flying debris when using air knife. 3a. Aim air knife tip away from self and others, so to avoid line-of-fire hazards. 3a. Use anti-whip devices on compressor hoses. 3b. Monitor breathing zone with a calibrated PID and multi-gas meter. If vapors sustain levels > 5 ppm, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux Project Manager of the condition. The Roux Project Manager will then recommend additional precautions. 3b. Wear dust masks as needed. 3b. Ensure no open flames/heat sources are present within the work area. 3b. Ensure vac truck is properly grounded prior to use. 3b. Do not use metal dig bar; use fiberglass or equivalent. 3c. Avoid contacting utilities directly with the high pressure air stream and using the air knife tip as a physical digging tool. 3c. Keep the air knife tip constantly moving to reduce direct pressure on a potential utility. 3c. Increase the distance between air knife tip and soil/utility. 3c. Continually remove soil slurry from hole with vacuum, which may have an abrasive effect on utility casings. 3d. Use proper body positioning and lifting techniques that minimizes muscle strain; keep back straight, lift with legs, keep

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		load close to body, and never reach with a load.
3. Pre-clearing with air knife and soil vacuum, and/or clearance with hand tools (continued)	3d. **OVEREXERTION**: (continued) Poor body positioning when handling equipment and materials.	3d. Ensure that loads are balanced to reduce the potential for muscle strain. 3d. Two people or a mechanical lifting aid are required when lifting objects over 50 lb. or when the shape makes the object difficult to lift.
	3e. **FALL**: Tripping/falling due to uneven terrain, weather conditions, and materials/equipment stored at the Site.	3e. Inspect walking path for uneven terrain, weather-related hazards (e.g., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 3e. Walk around any stored materials/equipment; do not climb over. Practice good housekeeping. 3e. Use established pathways and walk on stable, secure ground. 3e. Equipment and tools will be stored at the lowest point of potential energy and out of the walkway and immediate work area (i.e., tools should not be propped against walls or nearby equipment or vehicles). 3e. Equipment and tools that are not anticipated to be used will be returned to a storage area that is out of the immediate work area. 3e. Ensure power cords/hoses are grouped when used within the work area. Mark out cords/hoses that cross pathways with traffic cones. 3e. Ensure all Site personnel and equipment stay a minimum of 2 feet from an open hole. Mark out open holes with traffic cones/caution tape, etc. 3e. Pre-cleared location will be finished flush to grade as to prevent a slip/trip hazard.
	3f. **CAUGHT**: Pinch points associated with the equipment and vacuum hose.	3f. Always wear cut-resistant gloves when making connections and using hand tools. 3f. Inspect the equipment prior to use for potential pinch points. 3f. Test all emergency shutdown devices prior to using equipment. 3f. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3f. **All non-essential personnel shall maintain a 10 foot exclusion zone**; position body out of the line-of-fire of equipment. 3f. **Drillers and helpers will understand and use the "Show Me Your Hands Policy".**
	3g. **EXPOSURE**: Noise from vac truck and/or air compressor.	3g. Wear hearing protection when vac truck and air compressor are in operation. Otherwise, if sound levels exceed 85 dB, don hearing protection.
4. Move drum to staging area using drum cart.	4a. **EXPOSURE/CONTACT**: Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, soil).	4a. Wear chemically resistant gloves (i.e., Nitrile; worn in addition to cut resistant gloves). 4a. Do not overfill drums. Ensure that the drum lids are attached securely. 4a. Stage all drums in the designated storage area (per Roux Project Manager) and ensure they are labeled.
	4b. **EXERTION**: Muscle strain while maneuvering drums with drum cart/lift gate.	4b. See 3d. Do not overfill drums. Use lift gate on back of truck to load and unload drums or drum cart to transport drums.
	4c. **CAUGHT**: Pinch points associated with handling drum lid.	4c. Ensure that fingers are not placed under the lid of the drum. Wear cut-resistant gloves. Use 15/16" ratchet while sealing drum lid.
5. Decontaminate equipment and tools.	5a. **EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	5a. See 4a. 5a. Contain decontamination water (closed lid) so that it does not spill. 5a. Use an absorbent pad to clean spills, if necessary. 5a. Store all impacted materials/PPE in a designated storage container (per Roux Project Manager) and ensure the container is labeled.
	5b. **EXPOSURE**: To chemicals in cleaning solution.	5b. See 4a.

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JOB SAFETY ANALYSIS	**Ctrl. No. GEN-004**	DATE 12/6/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE:	WORK ACTIVITY (Description):	
Generic	**Drilling**	**Direct Push Soil Borings / Well Installation**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Jeffrey Wills	Project Hydrogeologist	Curtis Taylor	Health and Safety Officer
		Michael Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION: (as needed) ☒ SAFETY SHOES: Composite-toe or steel toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing, Long Sleeve Shirt	☒ GLOVES: Leather, Nitrile and cut resistant ☒ OTHER: Insect Repellant, sunscreen (as needed)

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Geoprobe or Truck-Mounted Direct Push Drill Rig, Hand Tools, Photoionization Detector, Multi-Gas Meter (or equivalent), Macrocore liners, Liner Opening Tool, 20 lb. Fire Extinguisher, 42" Cones & Flags, "Work Area" Signs, Water

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Exclusion Zone Policy – All non-essential personnel will maintain a distance of 10' feet from drilling equipment while moving/engaged.

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Mobilization of drilling rig (ensure the Subsurface Clearance Protocol and Drill Rig Checklist are completed)	1a. **CONTACT**: Equipment/property damage. 1b. **FALL**: Slip/trip/fall hazards.	1a. The drill rig's tower/derrick will be lowered and secured prior to mobilization. 1a. A spotter should be utilized while moving the drill rig. If personnel move into the path of the drill rig, the drill rig will be stopped until the path is again clear. Use a spotter for all required backing operations. 1a. Set-up the work area and position equipment in a manner that eliminates or reduces the need for backing of support trucks and trailers. 1a. When backing up truck rig with an attached trailer use a second spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. 1a. Inspect the driving path for uneven terrain. Level or avoid if needed. 1a. Drill rig should have a minimum **exclusion zone of 10 feet** for non-essential personnel (i.e., driller helper, geologist) when the rig is moving/ in operation. 1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Practice good housekeeping. 1b. Use established pathways and walk on stable, secure ground.
2. Raising tower/derrick of drill rig	2a. **CONTACT**: Overhead hazards. 2b. **CONTACT**: Pinch Points when raising the rig and instability of rig	2a. Prior to raising the tower/derrick, the area above the drilling rig will be inspected for wires, tree limbs, piping, or other structures, that could come in contact with the rig's tower and/or drilling rods or tools. 2a. Maintain a safe distance from overhead structures. 2b. Inspect the equipment prior to use and avoid pinch points. 2b. Lower out riggers on rig to ensure stability prior to raising rig tower/derrick. 2b. If the rig needs to be mounted, be sure to use three points of contact.
3. Advancement of drilling equipment and well installation	3a. **CONTACT**: Flying debris	3a. Be aware of and avoid potential lines of fire and wear required PPE such as eye, ear, and hand protection.

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3. Advancement of drilling equipment and well installation (Continued)	3b. **EXPOSURE**: Noise and dust.	3b. Wet borehole area with sprayer to minimize dust. 3b. Stand upwind and keep body away from rig. 3b. Dust mask should be worn if conditions warrant. 3b. Wear hearing protection when the drill rig is in operation.
	3c. **CAUGHT**: Limb/extremity pinching; abrasion/crushing.	3c. Always wear leather gloves when making connections and using hand tools; wear cut-resistant (i.e., Kevlar) gloves when handling cutting tools. 3c. Inspect the equipment prior to use for potential pinch points. Keep hands away from being between pinch points and use of tools is preferable compared to fingers and hands. 3c. Inspect drill head for worn surface or missing teeth; replace if damaged or blunt. 3c. Ensure all jewelry is removed, loose clothing is secured, and PPE is secured close to the body. 3c. All non-essential personnel should stay away from the immediate work area; position body out of the line-of-fire of equipment. 3c. Drillers and helpers will understand and use the "Show Me Your Hands" Policy. 3c. Spinning rods/casing have an **exclusion zone of 10 feet** while in operation.
	3d. **CONTACT**: Equipment imbalance during advancement of drill equipment.	3d. Drillers will advance the borehole with caution to avoid causing the rig to become imbalanced and/or tip. 3d. The blocking and leveling devices used to secure the rig will be inspected by drillers and Roux personnel regularly to see if shifting has occurred. 3d. In addition, personnel and equipment that are non-essential to the advancement of the borehole will be positioned away from the rig at a distance that is at least as far as the boom is high (**minimum exclusion zone of 10 feet**).
	3e. **EXPOSURE**: Inhalation of contamination/vapors.	3e. Air monitoring using a calibrated photoionization detector (PID) will be used to periodically to monitor the breathing zone of the work area. 3e. If a reading of >5ppm is recorded, the Roux field personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings and inform the Roux PM of the condition. The Roux PM will then recommend additional precautions in accordance with the site specific health and safety plan.
	3f. **FALL**: Slip/trip/fall hazards.	3f. Contain drill cuttings and drilling water to prevent fall hazards from developing in work area. 3f. See 1b.
	3g. **EXERTION**: Potential for muscle strain/injury while lifting and installing well casings, lifting sand bags, and/or lifting rods.	3g. Keep back straight and bend at the knees. 3g. Utilize team lifting for objects over 50lbs. 3g. Use mechanical lifting device for odd shaped objects.
4. Decontaminate equipment.	4a. **EXPOSURE/CONTACT**: To contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated groundwater, vapors).	4a. Wear chemical-resistant disposable gloves and safety glasses. 4a. Contain decontamination water so that it does not spill. 4a. Use an absorbent pad to clean spills, if necessary. 4a. See 3b.
	4b. **EXPOSURE:** To chemicals in cleaning solution including ammonia.	4b. See 4a. Review MSDS to ensure appropriate precautions are taken and understood.

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JOB SAFETY ANALYSIS	**Cntrl. No. GEN-012**	DATE: 12/31/2012	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY: **GENERIC**	WORK TYPE: **Gauging & Sampling**	WORK ACTIVITY (Description): **Soil Sampling**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Michael Hodess	Staff Environmental Scientist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD:	☐ SUPPLIED RESPIRATOR	☒ OTHER: Insect Repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION: (as needed)	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots		
☒ FLAME RESISTANT CLOTHING (as needed)			

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Recommended Equipment; 42" traffic cones, caution tape, trowel

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A minimum 10' exclusion zone will be maintained around moving equipment, if present.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Secure location	1a. **CONTACT:** Personnel and vehicular traffic may enter the work area.	1a. If in an area with foot or vehicle traffic, delineate the work area with 42" traffic cones and/or caution tape to prevent exposure to traffic and inform others of work activity. 1a. Wear reflective vest and/or fluorescent clothing. 1a. Face the direction of any vehicular traffic. Position vehicle to protect worker from traffic. 1a. Communicate work activity with adjacent work areas.
	1b. **FALL:** Tripping/falling due to uneven terrain or entry/exit from excavations.	1b. Inspect pathways and work area for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions. 1b. Use established pathways and walk on stable, secure ground. 1b. Stage equipment and tools will in a convenient, stable, and orderly manner. Store equipment at lowest potential energy. 1b. Roux employees should stay 5 feet from in-progress excavations and trenches. Should entry to an excavation be appropriate (when stabilization is complete), ladders must be employed for steep embankments, excavations, pits, and trenches.
	1c. **EXPOSURE:** Exposure to sun and excessive heat, possibly causing sunburn, heat exhaustion or heat stroke, Exposure to cold temperatures possibly causing cold stress. Skin burn as a result of fire if occurred. Exposure to explosive vapors due to tank farm operations, Biological hazards - ticks, bees/wasps, poison ivy, thorns, insects, etc.	1c. Wear sunscreen with an SPF 15 or greater whenever 30 minutes or more of exposure is expected. 1c. Use a tent to shade the work area from direct sunlight particularly when warm temperatures are also expected. 1c. Be aware of the location of all Site personnel. 1c. Watch for heat stress symptoms (muscle cramping, exhaustion, dizziness, rapid and shallow breathing). 1c. Watch for cold stress symptoms (severe shivering, slowing of body movement, weakness, stumbling or inability to walk, collapse). 1c. Take breaks for rest and water as necessary. Move to an area that is well shaded or an area with air conditioning (i.e., car, site trailer, etc.). Move to an area that is warm. 1c. No open flames/heat sources. 1c. Flame resistant clothing must be worn when specified by Site policy. 1c. Cell phones should be disabled when specified by Site policy. 1c. Pre-treat field clothing with Permethrin prior to site visit to kill/repel ticks and insects. 1c. Wear long sleeved shirts and tuck in (or tape) pant legs into socks or boots to prevent ticks from reaching skin. 1c. Spray insect repellant containing DEET on exposed skin when working in overgrown areas of the Site. 1c. Inspect area to avoid contact with biological hazards. 1c. Wear cut-resistant gloves when handling branches, shrubs, etc. that may lie within the walking path. 1c. Personnel shall examine themselves and co-worker's outer clothing for ticks periodically when onsite. 1c. If skin comes in contact with poison ivy, wash skin thoroughly with soap and water.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
2. Collect Soil Sample	2a. **CONTACT:** Personal injury from pinch points, cuts, and abrasions from sampling equipment tools, and material within soil sample. Personal injury from contact with moving equipment while sampling.	2a. Wear cut-resistant (i.e., Kevlar) gloves under chemical-resistant disposable gloves when handling soil samples and sampling jars. 2a. Where possible, use trowel or equivalent tool to avoid contact with soil. 2a. If sampling from bucket of heavy equipment, ensure all equipment is off and operator utilizes the "show me your hands" policy. 2a. See 1a.
	2b. EXPOSURE: Exposure to contamination (impacted soil) and/or lab preservatives.	2b. Wear chemical-resistant disposable gloves over cut resistant gloves to protect hands when handling samples; use containment material or plastic sheeting to protect surrounding areas. 2b. When collecting soil sample from hand auger, put large zip lock bag over entire auger to prevent spillage of soil on to the ground. 2b. Open sample jars slowly and fill carefully to avoid contact with preservatives.
3. Decontaminate equipment	3a. **EXPOSURE/CONTACT:** Contamination (e.g., Separate Phase Hydrocarbons (SPH), contaminated vapors and/or soil).	3a. Wear chemical-resistant disposable gloves and safety glasses. 3a. Use an absorbent pad to clean spills. 3a. Properly dispose of used materials/PPE in provided drums in designated drum storage area.
	3b. **EXPOSURE:** Chemicals in cleaning solution including ammonia.	3b. Wear chemical-resistant disposable gloves and safety glasses. 3b. Work on the upwind side of decon area. 3b. Use an absorbent pad to clean spills. 3b. Properly dispose of used materials/PPE in provided drums in designated drum storage area.

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JOB SAFETY ANALYSIS	Ctrl. No. GEN-013	DATE: 12/31/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY:	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Gauging and Sampling**	**Soil Vapor Sampling (Permanent Monitoring Points)**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
Jeff Wills	Project Hydrogeologist	Curtis Taylor	SHSM
		Mike Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Cut-resistant & Nitriles
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Bug Spray, Sun Screen, Knee Pads or kneeling pad
☐ LIFELINE / BODY HARNESS	☐ HEARING PROTECTION	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Steel-toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

9/16" Socket and Wrench, Non-Toxic Clay, Teflon-Lined Tubing, Masterflex Tubing, 3-Way Stopcock, Air Pump with Low Flow, Dry Cal, Enclosure (Bucket), Helium Gas Canister, Summa Canisters and Flow Controllers, MultiRae Gas Meters, CO2/O2 Meters, Helium Detector, Tubing Cutter, 42-inch Safety Cones, Caution Tape or Retractable Cone Bars

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Exclusion Zone: Maintain a 5-Foot Exclusion Zone for Non-Essential Personnel

ACCESS [1]JOB STEPS	ANALYZE [2]POTENTIAL HAZARDS	ACT [3]CRITICAL ACTIONS
1. Define and secure work area.	1a. **FALL:** Potential tripping hazards.	1a. Ensure work area is secure and inform others (third party) of work activity. 1a. Remove tripping hazards and inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment.
	1b. **CONTACT:** Potential contact with moving vehicles or pedestrians.	1b. If working alongside roads, look both ways before entering roadways, face traffic, and utilize work vehicle to protect employees. 1b. Delineate work area (including vehicles) with traffic safety cones and caution tape or retractable cone bars. 1b. Maintain a 5 foot exclusion zone. 1b. Wear high visibility clothing or reflective safety vest.
	1c. **OVEREXERTION:** Muscle strain while lifting and carrying equipment.	1c. When carrying equipment to/from work area, keep back straight, lift with legs, keep load close to body, never reach with a load. Ensure that loads are balanced. Use mechanical assistance/make multiple trips to carry equipment.
2. Remove well cover / close well cover.	2a. **CONTACT/CAUGHT:** Pinch points and scrapes associated with hand tools and well covers.	2a. Keep hands away from pinch points. 2a. Use hand tools to remove and replace well covers. 2a. Wear cut-resistant gloves. 2a. Use knee pads or kneeling mat when repetitive kneeling on rough ground is anticipated.
	2b. **FALL:** Potential tripping hazards associated with installing bolts.	2b. Place security bolts in secure location so not to create tripping hazards. Replace security bolts so that they fit flush with monitoring well covers.
	2c. **OVEREXERTION:** Physical exertion to remove bolts that were over torque or stripped.	2c. Replace any security bolts that show signs of stripping. Do not over tighten. 2c. Use body positioning and bending techniques that minimize muscle strain; keep back straight, bend at the knees. 2c. See 2a.
3. Remove / replace brass caps at the end of the sample tubing.	3a. **CONTACT:** Pinch points associated with hand tools and brass caps.	3a. Use wrench to remove and replace brass caps. 3a. Wear cut-resistant gloves to protect against pinch points and scrapes.
	3b. **EXPOSURE:** Potential pathway for vapors to migrate to land surface.	3b. Replace brass caps immediately upon completion to avoid soil vapors migrating to the surface through sample tubing. 3b. Stand up wind of sample point location.

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ACCESS [1]JOB STEPS	ANALYZE [2]POTENTIAL HAZARDS	ACT [3]CRITICAL ACTIONS
4. Set up soil vapor sampling equipment and calibration of meters.	4a. **FALL:** Potential tripping hazards associated with equipment and tubing. 4b. **CONTACT:** Pinch points associated with handling equipment. 4c. **EXPOSURE:** Inhalation of calibration gas and helium.	4a. Place equipment in one area close to the sampling location. 4a. Keep tubing slack to a minimum and locate the summa canister as close to the sampling location as possible. 4a. Avoid stepping over equipment and tubing. 4b. Do not place fingers/hands under sampling equipment. 4b. Make multiple trips when unloading equipment in work area. 4b. Wear cut-resistant gloves to protect against pinch points while handling sampling equipment. 4c. Review MSDS for each type of calibration gas used before calibrating. 4c. Calibrate meters in a well vented area and keep air flow regulator away from face. 4c. Close valve on canisters after use to avoid inhalation of excess helium or calibration gas. 4c. Stand up wind of bucket during helium tracer gas test.
5. Screen sample tubing with multiple gas and CO_2/O_2 meters.	5a. **FALL:** Potential tripping hazards associated with equipment. 5b. **EXPOSURE:** Inhalation of soil vapor	5a. See 4a 5a. Identify area where equipment is to be stored within the work area (away from main walking path). 5a. Don't leave equipment on the ground. Return equipment to storage area between uses. 5b. See 3b. 5b. Use master flex to connect tubing to meter. 5b. Stand on opposite side of meter vent and upwind soil vapor point during screening activities.
6. Cleaning Work Area.	6a. **FALL:** Potential tripping hazards associated with equipment and tubing. 6b. **CONTACT:** Storing and transport of equipment in car.	6a. See 4a. 6a. See 5a. 6b. Ensure that equipment is placed securely in the vehicle. Do not stack equipment on top of each other. Secure equipment so that it will not slide while being transported. 6b. Wear cut-resistant gloves while handling/loading equipment.

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JOB SAFETY ANALYSIS	**Cntrl#: GEN-015**	DATE 7/3/13	☐NEW ☒REVISED	PAGE 1 of 2

JSA TYPE CATEGORY: **GENERIC**	WORK TYPE: **Drilling**	WORK ACTIVITY (Description): **Well Development**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Amy Hoffman	Staff Geologist	Mike Ritorto	Project Hydrogeologist
		Curtis Taylor	SHSM

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☐ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather, Nitrile and cut resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☒ OTHER: Insect repellant, sunscreen (as needed)
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION (as needed)	☒ PPE CLOTHING: Fluorescent reflective vest or high visibility clothing	
☒ SAFETY GLASSES	☒ SAFETY SHOES: Composite-toe or steel toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Required Equipment as needed: Truck Rig or support truck, Trailer, 42 inch Safety cones and flags, Caution Tape, Interface Probe, Power Source, Submercible Pump, Surge Block/Plunger, 20 lb. Fire Extinguisher, Holding Tanks and/or Buckets, Tools as needed: Socket and Pipe Wrench, Screw Driver, Pry Bar, Ratchet, Vault Key.

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

Maintain a 20 Foot Exclusion Zone During Development Activities

"SHOW ME YOUR HANDS"
Driller and helper should show that hands are clear from controls and moving parts

Assess [1]**JOB STEPS**	**Analyze** [2]**POTENTIAL HAZARDS**	**Act** [3]**CRITICAL ACTIONS**
1. Mobilization / Demobilization (**Review Mobilization and Demobilization JSA**)	1a. **CONTACT:** Equipment/property damage.	1a. The truck rig's tower/derrick will be lowered and secured prior to mobilization. 1a. Set-up the work area / position equipment in a manner that eliminates or reduces the need for backing of trucks and trailers. 1a. All non-essential personnel should **maintain an exclusion zone of 20 feet**. 1a. Beep horn twice before backing up. 1a. When backing up with an attached trailer use a spotter if there is tight clearance simultaneously on multiple sides of the equipment or if turning angles limit driver visibility. Stay away from the line-of-fire. 1a. Inspect the driving path for uneven terrain. Level or avoid if needed.
	1b. **FALL:** Slip/trip/fall hazards.	1b Inspect walking path for uneven terrain, weather-related hazards (i.e., ice, puddles, snow, etc.), and obstructions prior to mobilizing equipment. 1b. Do not climb over stored materials/equipment; walk around. Store equipment at lowest potential energy.
2. Open/close well.	2a. **OVEREXERTION:** Muscle strain (some wells have large vault covers).	2a. Keep back straight, lift with legs, keep load close to body, and never reach with a load. Ensure that loads are balanced to reduce the potential for muscle strain. Two people are required when lifting objects over 50 lbs or when the shape makes the object difficult to lift.
	2b. **CAUGHT:** Pinch points associated with removing/replacing manholes and working with hand tools.	2b. Wear leather gloves when working with well vault/cover and hand tools. Do not put fingers under well vault/cover. 2b. Use ratchet and pry bar for well cover and inspect before use.
	2c. **EXPOSURE:** Potentially hazardous vapors.	2c. No open flames/heat sources. 2c. Allow well to vent after opening it and before starting development activities to minimize exposure to vapors. Air monitoring must be performed prior to set up and during the well development activities. Work on upwind side of well.
	2d. **CONTACT:** Traffic.	2d. Wear required PPE including high visibility clothing or reflective vest. 2d. Delineate work area with 42" safety cones and/or other barriers. Position vehicle to protect against oncoming traffic. 2d. Face traffic, maintain eye contact with oncoming vehicles, and establish a safe exit route.

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Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Develop well (mechanical surging).	3a. **CAUGHT:** Cut hazards and finger pinch points. 3b. **CONTACT/EXPOSURE:** Contamination (e.g., SPH, contaminated groundwater, vapors). 3c. **OVEREXERTION:** Muscle strain from lifting equipment. 3d. **CONTACT:** Injury while handling wench line/cable, or with active surging equipment	3a See 2b. 3a. Use required PPE including leather/cut-resistant gloves when handling development equipment. Identify finger/hand pinch points. Keep hands away from active surge equipment. 3a. All non-essential personnel should **maintain an exclusion zone of 20 feet**. 3b. See 2c. 3b. Wear Nitrile gloves and safety glasses. Insert and remove surge block/plunger and line/cable slowly to avoid splashing at the surface. 3b. Use an absorbent pad to clean any spills. 3c. See 2a. 3c. Use mechanical device to insert and remove surge block/plunger if greater than 50lb. 3d. If using a drill rig, inspect all wench lines/cables for any kinks or if frayed prior to use. Replace any damaged lines/cables. Review **Drill Rig checklist prior to development activities**. . 3d. See 3a.
4. Purging well (pumping water to holding tanks/drums/buckets).	4a. **CAUGHT:** Pinch points associated with connecting hose to tank. Pinch points associated with handling pump and hoses. 4b. **FALL:** Using side mounted ladder when attaching hose to tank. Slip, trip, fall from lines/hoses 4c. **CONTACT:** Contamination (e.g., SPH, contaminated groundwater). 4d. **EXERTION:** Muscle strain from lifting/carrying equipment. 4e.**FALL:** Spilled purge water.	4a. See 3a. 4a. Ensure that fingers are not placed near coupling when attaching and securing hose(s). Do not place fingers under pump/hoses. Wear leather or cut-resistant gloves when handling pump/hose(s). 4a. Keep hands clear from any line of fire. 4b. Inspect ladder steps make sure steps are not bent/damaged and free of debris/fluid. 4b. Use three points of contact at all times when using ladder. 4b. Utilize anti-whip cords on all compressed hoses. Keep hoses and lines coiled and organized out of designated walking paths around the work zone. 4c. Secure water hose. 4c. Do not overfill tanks, and purge/transfer liquids in such a manner that they do not splash. (See 3b). 4c. Dispose of used materials/PPE in the designated impacted PPE container. 4d. Use lifting techniques to minimize muscle strain when carrying equipment. When possible, use mechanic means to lift equipment. 4d. Use two people to lift any equipment or material that is over 50 lbs. 4e. Clean up any spills using absorbent pads or spill kits.
5. Decontaminate equipment	5a. **CONTACT/EXPOSURE:** Contamination (e.g., SPH, contaminated groundwater, vapors). 5b. **EXPOSURE/CONTACT:** Chemicals in cleaning solution	5a. See 3b. 5b. Decontaminate equipment in well-ventilated area. Wear nitrile gloves to avoid skin contact with cleaning solutions.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – Electricity, Pressure, compression, tension, torque.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Ctrl. No. GEN-001	DATE: 12/5/12	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)	
Generic	**Construction - Excavation**	**Excavation / Trenching**	
DEVELOPMENT TEAM	**POSITION / TITLE**	**REVIEWED BY:**	**POSITION / TITLE**
Ian Holst	Staff Engineer	Curtis Taylor	Health and Safety Officer
		Michael Ritorto	Project Hydrogeologist

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST ☒ HARD HAT ☒ LONG SLEEVED SHIRT ☐ LIFELINE / BODY HARNESS ☒ SAFETY GLASSES	☐ GOGGLES ☐ FACE SHIELD ☒ HEARING PROTECTION ☒ SAFETY SHOES: Steel-toe boots	☐ AIR PURIFYING RESPIRATOR ☐ SUPPLIED RESPIRATOR ☒ PPE CLOTHING: Fluorescent reflective vest or high visibility long sleeved clothing	☒ GLOVES: Leather or cut resistant ☐ OTHER

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Jackhammer, Excavator, Hand Tools, Photoionization Detector, barrels, cones, caution tape, ladders, shovels, digging bars , power tools (cut off saw)

Commitment to LPS – All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: Maintain 10' or greater exclusion zone around excavator while it is in motion.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Pre-Clearance Protocol.	1a. **CONTACT:** Damage to underground utility. 1b. **ENERGY SOURCE/CONTACT:** Property damage; Pressurized water mains. Pressurized gas mains. Sewer lines. Underground electric. 1c. **FALL:** Slip ,Trip or Fall.	1a. Confirm that (if applicable) "Call Before You Dig" and local utility companies were contacted prior to trenching in order to confirm utility mark outs. Must have a case # before digging. 1b. Pre-clearing of the trenching location must be conducted to a minimum of 4 vertical feet below the ground surface (8 feet minimum for Critical Zone) using hand tools (shovel and non-metallic dig bar) prior to trenching. Supervisor should be contacted to discuss appropriate pre-clearing depth. Complete subsurface clearance checklist. 1c. Be aware of the conditions when walking, or loading equipment and working. Walk within established pathway avoiding uneven surfaces. Remove potential slip/trip/fall hazards.
2. Set up work zone.	2a. **CONTACT/CAUGHT:** Injury from equipment. 2b. **FALL:** Slip ,Trip or Fall.	2a. Isolate work area from hazards with cones, barricades, and caution tape. Utilize a flag person when necessary (i.e., third party traffic in area). Install traffic signs in roadways and for detours. Spotters will maintain and enforce exclusion zone. 2b. See 1c.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards, energy source; Energy Source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
3. Trenching Activity.	3a. **CONTACT:** Injury due to contact with machine. 3b. **FALL:** Slip ,Trip or Fall. 3c. **EXPOSURE:** Noise, Dust, Concrete- Asphalt, petroleum hydrocarbon vapors.	3a. Spotter(s) required for all heavy equipment operation. No worker shall be allowed inside the exclusion zone or along the trench/excavation area while any equipment is digging. A minimum exclusion zone greater than the length of the equipment boom must be established. Workers only allowed in exclusion zone if the operator is in "Hands Off "mode. Operator will not operate equipment until worker is out of exclusion zone. 3b. Any trench/excavation deeper than 4' must have a ladder within 25' of any worker in the excavation. At least 3' (rungs) shall be above the top of the excavation. All spoil piles shall be maintained 2' minimum from edge of excavation. 3c. Air monitoring using a calibrated photoionization detector (PID) will be used to monitor the breathing zone of the work area. If a reading of >5ppm is recorded, the oversight personnel must temporarily cease work, instruct all Site personnel to step away from the area of elevated readings.
4. Setting Trench protections if necessary.	4a. **CAUGHT:** Injury due to contact with failed trench. 4b. **CONTACT/CAUGHT:** Injury due rigging activities and entering exclusion zone during lifting and/or transport of shoring box/material. 4c. **FALL:** Possible injury due to fall into excavation.	4a. To prevent cave-ins and avoid caught by/between, excavations over 5' in depth shall have engineer approved shoring, sheeting or digging box. Top of protection shall be at least 2' above top of excavation. 4b. Use only inspected rigging with 2, 3 or 4 lift points; wear cut-resistant gloves. Rigging to be hooked up to factory installed hook up points on equipment. Control load with non-conductive tag lines with workers out of exclusion zone. Don't stand underneath suspended load; wear steel toed boots and hard hat. 4c. Shoring to be set and sides will be backfilled to avoid fall hazards before workers allowed to enter area. Operator will be in "HANDS OFF" mode before workers enter work area to unhook rigging. An inspected ladder set 3' above top of shoring will be used to enter and exit shoring. Workers will use three points of contact when using ladder.
5. Secure/Leave Site. **If backfilling, see excavation backfilling and compaction JSA for potential hazards and critical actions.**	5a. **FALL:** Potential Slip ,Trip or Fall hazards.	5a. See 1c. All open excavations must be backfilled or secured prior to departure with steel plates, orange construction fence or temporary chain link fencing.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

JOB SAFETY ANALYSIS	Ctrl. No. GEN-002	DATE 12/5/2012	☐ NEW ☒ REVISED	PAGE 1 of 2

JSA TYPE CATEGORY	WORK TYPE	WORK ACTIVITY (Description)
GENERIC	**Construction - Excavation**	**Backfilling Excavation & Compaction**

DEVELOPMENT TEAM	POSITION / TITLE	REVIEWED BY:	POSITION / TITLE
David Kaiser		Curtis Taylor	Health and Safety Officer - Roux
		Michael Ritorto	Project Hydrogeologist - Roux

REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

☐ LIFE VEST	☐ GOGGLES	☒ AIR PURIFYING RESPIRATOR	☒ GLOVES: Leather/ cut-resistant
☒ HARD HAT	☐ FACE SHIELD	☐ SUPPLIED RESPIRATOR	☐ OTHER _____
☐ LIFELINE / BODY HARNESS	☒ HEARING PROTECTION	☒ PPE CLOTHING: Long Sleeved shirt and reflective safety	
☒ SAFETY GLASSES	☒ SAFETY SHOES Steel-toe boots		

REQUIRED AND / OR RECOMMENDED EQUIPMENT

Payloader, Backhoe, Dump Trucks, Mechanical gas powered tampers, Excavator with hydraulic tamper. APR when tamping if dust present.

COMMITMENT TO LPS - All personnel onsite will actively participate in SPSA performance by verbalizing SPSAs throughout the day.

EXCLUSION ZONE: A 10' minimum exclusion zone will be maintained around excavator, backhoe, tampers, and dump trucks.

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
1. Secure work area.	1a. **CONTACT:** Potential for personnel to enter the work area. Potential for equipment to contact personnel. 1b. **EXERTION:** Potential for muscle strain while installing traffic cones and barrels	1a. Ensure work area is secure and inform others of work activity. Establish a work zone using 42" traffic cones, barrels & caution tape. Use of flag persons to minimize motorist confusion during set-up of new traffic pattern. 1a. Dump Truck/Excavator/Payloader/Backhoe equipment to be set-up by personnel who are familiar with machinery. Spotters shall be in place for all equipment. Truck wheels are chocked when driver is not in truck and engine shut off. Personnel shall stay out of the exclusion zone (10' minimum or greater than the equipment boom) while equipment is maneuvering. 1b. Keep back straight, keep load close to the body and bend knees while lifting and working. If over 50 lbs., use 2 or more laborers for lifting or use of equipment.
2. Backfilling excavation, and & compaction	2a. CONTACT: Traffic and live equipment. 2b. EXPOSURE: Fumes from gas powered tamper. 2c. FALL: Slips, trips, fall hazards.	2a. Equipment and trucks shall be isolated from other workers, subcontractors and third party traffic with cones, barricades, caution tape, and/or Jersey barriers. Spotters shall direct dump truck for placement of fill near excavation. Payloader, as directed by spotter, shall move fill into trench where it shall be placed in layers and compacted by mechanical means. 2a. Spotters will wear florescent vests at all times. 2a. Spotters will remain out of the line of fire from equipment and third party vehicles. 2b. Fueling will be done outside of work area in a well vented area. Refueling will be done only after a 2 minute cool down. 2c. Work area will be clean and free of any debris to remove slip, trip and fall hazards. All tools will be kept in designated areas. Insure work area is well illuminated. 2c. Workers should only be working in areas that have been leveled with a machine.

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[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Assess [1]JOB STEPS	Analyze [2]POTENTIAL HAZARDS	Act [3]CRITICAL ACTIONS
2. Backfilling, excavation, and compaction (Continued).	2d. **OVEREXERTION:** Muscle strain. 2e. **EXPOSURE:** Noise from tamper.	2d. Keep knees bent and back straight while maneuvering tamper. Utilize a co-worker to avoid staining muscles. 2e. Workers will wear hearing protection during compaction tamper activities.
3. Secure/leave site.	3a. **FALL:** Slip, trip, fall	3a. Clear work area of all debris and store all equipment in designated areas/containers before opening up to traffic.

[1] Each Job or Operation consists of a set of tasks / steps. Be sure to list all the steps needed to perform job.

[2] A hazard is a potential danger. Break hazards into five types: Contact - victim is struck by or strikes an object; Caught - victim is caught on, caught in or caught between objects; Fall - victim falls to ground or lower level (includes slips and trips); Exertion - excessive strain or stress / ergonomics / lifting techniques; Exposure - inhalation/skin hazards; Energy Source – electricity, pressure, compression/tension.

[3] Using the first two columns as a guide, decide what actions or procedures are necessary to eliminate or minimize the risk. List the recommended safe operating procedures. Say exactly what needs to be done - such as "use two persons to lift". Avoid general statements such as, "be careful".

Approved: April 4, 2012

NFPA

Flammability: 0
Health: 1
Reactivity: 0
Special: –

0 = Minimal Hazard
4 = Severe Hazard

MATERIAL SAFETY DATA SHEET* (MSDS)

International Products Corporation

MICRO-90®

CONCENTRATED CLEANING SOLUTION

HMIS

Health – 1
Flammability – 0
Physical Hazards – 0
Personal Protection – B

0 = Minimal Hazard
4 = Severe Hazard
B = Safety Glasses & Gloves

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME........................MICRO-90®
CHEMICAL FAMILY....................Mixture
CHEMICAL USE..........................Concentrated Cleaning Solution
ISSUE DATE OF MSDS..............April 4, 2012

MANUFACTURER:

International Products Corporation
201 Connecticut Drive
Burlington, NJ 08016, USA
Tel: (609) 386-8770
Fax: (609) 386-8438
mkt@ipcol.com

UK BRANCH:
Unit 5, Green Lane Bus. Park
238 Green Lane
London, SE9 3TL, United Kingdom
Tel: 020 – 8857-5678
Fax: 020 – 8857-1313
saleseurope@ipcol.com

EMERGENCY TELEPHONES:

Transportation:
CHEMTREC
(800) 424-9300
(Calls within USA & Canada)

(703) 527-3887
(Calls from outside the USA)

Non-transportation:
Tel: (609) 386-8770
Fax: (609) 386-8438

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains water, builders, and surfactants.

This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

* *

EMERGENCY OVERVIEW

Pale yellow aqueous solution with a slight ammonia odor. Nonflammable aqueous solution. NFPA rating of zero. No immediate hazards associated with the product.

* *

POTENTIAL HEALTH EFFECTS

EYE CONTACT.......... Prolonged or repeated contact may cause irritation.

SKIN CONTACT........ Prolonged or repeated contact may cause irritation.

INHALATION............ Prolonged or repeated contact may cause irritation.

INGESTION................ No hazard in normal industrial use.

CARCINOGENICITY:

NTP..................... No ingredients are listed.
IARC................... No ingredients are listed.
OSHA.................. No ingredients are listed.

CHRONIC EFFECTS. Not determined.

TARGET ORGANS.... Not determined.

SIGNS AND SYMPTOMS................ Eye and skin irritation (redness or swelling)

* * * * * * * * * * * * * * * * * * * *

POTENTIAL ENVIRONMENTAL EFFECTS

None known.

4. FIRST AID MEASURES

EYE CONTACT............................Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

SKIN CONTACT...........................Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

INHALATION...............................If exposed to excessive levels of fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION.................................No specific treatment is necessary since this material is unlikely to be hazardous by ingestion. Call physician if pain or discomfort develops.

5. FIRE FIGHTING MEASURES

Nonflammable aqueous cleaner.

FLASH POINT...........................None.

LFL...Not applicable.

UFL...Not applicable.

EXTINGUISHING MEDIA...........Use alcohol foam, carbon dioxide, or water spray to extinguish flames.

FIRE FIGHTING INSTRUCTION..........................As in any fire, wear self-contained breathing apparatus, pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 Personal Protection. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

HANDLING................................ Avoid contact with eyes, skin and clothing. Use in a well-ventilated area.

STORAGE.................................. Store in a cool place in original container and protect from sunlight. Keep container closed when not in use. Use only stainless steel, polyethylene or plastic-lined containers for handling. Do not store in contact with aluminum, zinc, copper or their alloys.

SHELF LIFE............................... Five years from date of manufacture when stored in original sealed container at recommended storage temperature range.

STORAGE TEMPERATURE....... 5–43°C (41–110°F)

*ANSI Z400.1-1998 format

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS.....Good general ventilation should be sufficient to control airborne levels.

RESPIRATORY PROTECTION .....For most situations, no respiratory protection should be needed.

SKIN PROTECTION .....Wear nitrile or neoprene gloves.

EYE PROTECTION .....Wear safety glasses with side shields (or goggles). Contact lenses should not be worn.

GENERAL HYGIENE CONSIDERATIONS .....There are no known health hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating.
- Avoid breathing vapors.
- Wear safety glasses and gloves.

* *

EXPOSURE LIMITS .....Not established for product as whole.

Ingredients	CAS #	ACGIH
None established for individual components.		

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE .....Clear, colorless to pale yellow solution.

ODOR.....Ammonia odor.

pH (neat).....ca. 9.5

BOILING POINT .....ca. 100°C (212°F)

FREEZING POINT .....ca. -8°C (18°F)

SOLUBILITY IN WATER .....Complete

SPECIFIC GRAVITY (water = 1).....1.135@25°C

10. STABILITY AND REACTIVITY

STABILITY .....Stable liquid.

HAZARDOUS POLYMERIZATION.....Will not occur.

INCOMPATIBILITIES.....May etch aluminum, zinc, copper, and its alloys. May craze acrylic and polycarbonate if not wiped or rinsed off. Do not mix with other cleaners. Mixing with chlorine-based cleaners may produce toxic gases.

DECOMPOSITION PRODUCTS .....Not determined.

11. TOXICOLOGICAL INFORMATION

Eye: Irritant per USA-FHSA criteria.
Not an Irritant per OECD Guideline No. 405.

Skin: Not an irritant per USA-FHSA criteria.
Not an irritant per OECD Guideline No. 404.

Oral: LD_{50} is greater than 5g/kg (rats).

12. ECOLOGICAL INFORMATION

Contains no CFCs, ODCs, phosphates, silicates, borates, halogens, or phenols.

13. DISPOSAL CONSIDERATIONS

MICRO-90® Concentrated Cleaning Solution is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

(Note: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.)

14. TRANSPORTATION INFORMATION

A. USA

D.O.T. SHIPPING .....Not regulated.

TECHNICAL SHIPPING NAME .....Liquid Detergent

D.O.T. LABEL .....None.

D.O.T. PLACARD (non-bulk) .....None.

FREIGHT CLASS PACKAGE .....Class 55 — Liquid detergent

PRODUCT LABEL .....Concentrated Cleaning Solution

B. CANADA: TDG .....Not regulated.

C. ENGLAND: APPROVED CARRIAGE LIST .....Not regulated.

15. REGULATORY INFORMATION

A. USA

TSCA STATUS ..... All ingredients are listed on the TSCA inventory.

SARA TITLE III, 302/303 EHS..... None.

SARA TITLE III, 304, HS ..... None.

SARA TITLE III, 313 ..... None.

B. CANADA

DSL ..... All ingredients are listed on the Domestic Substance List.

WHMIS Classification..... Not controlled.

C. EC

EINECS ..... All ingredients are listed.

RoHS Directive ..... MICRO-90® does not contain any ingredients listed in 2002/95/EC.

REACH Directive..... All ingredients comply with EC 1907/2006.

D. CHIPS ..... Not a significant eye irritant. Not a skin irritant.

All ingredients are also listed on the following inventories: Australia (AICS), Korea (ECL), Japan (ENCS), China (EICS), and Philippines (PICCS).

16. STATE REGULATORY INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

17. OTHER INFORMATION

PREPARED BY .....K. Wyrofsky, President

APPROVED BY.....T. McGuckin, V.P. of Research, Quality & Safety

APPROVAL DATE .....April 4, 2012

NOTE: All data presented here are for the full-strength product, unless otherwise noted. However, recommended usage is as a 1-2% w/w solution in water.

While International Products Corporation believes the information contained herein to be true and accurate, it has relied on information provided by others. International Products Corporation makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein or with respect to the results to be obtained from the use of the product. International Products Corporation disclaims all liability with respect to the use of this product, including without limitation, liability for injury to the user or third-party persons.

MATERIAL SAFETY DATA SHEET

ALCONOX®

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	**ALCONOX®**
CHEMICAL FAMILY NAME:	Detergent.
PRODUCT USE:	Critical-cleaning detergent for laboratory, healthcare and industrial applications
U.N. NUMBER:	Not Applicable
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	Alconox, Inc.
ADDRESS:	30 Glenn St., Suite 309, White Plains, NY 10603. USA
EMERGENCY PHONE:	**TOLL-FREE in USA/Canada** 800-255-3924
	International calls 813-248-0585
BUSINESS PHONE:	914-948-4040
DATE OF PREPARATION:	May 2011
DATE OF LAST REVISION:	February 2008

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a white granular powder with little or no odor. Exposure can be irritating to eyes, respiratory system and skin. It is a non-flammable solid. The Environmental effects of this product have not been investigated.

US DOT SYMBOLS

Non-Regulated

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Signal Word: **Warning!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1
EC# 205-633-8 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 268-356-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-838-7 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 231-767-1 This substance is not classified in the Annex I of Directive 67/548/EEC
EC# 207-638-8 Index# 011-005-00-2
EC# 205-788-1 This substance is not classified in the Annex I of Directive 67/548/EEC

GHS Hazard Classification(s):

Eye Irritant Category 2A

Hazard Statement(s):

H319: Causes serious eye irritation

Precautionary Statement(s):

P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash hands thoroughly after handling
P271: Use only in well ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection/

Hazard Symbol(s):

[Xi] Irritant

Risk Phrases:
R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin

Safety Phrases:
S8: Keep container dry
S22: Do not breath dust
S24/25: Avoid contact with skin and eyes

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Exposure to this product may cause irritation of the eyes, respiratory system and skin. Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

CHRONIC: This product contains an ingredient which may be corrosive.

TARGET ORGANS: ACUTE: Eye, respiratory System, Skin CHRONIC: None Known

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Sodium Bicarbonate	144-55-8	205-633-8	1044	33 - 43%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	268-356-1	Not Listed	10 – 20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Tripolyphosphate	7758-29-4	231-838-7	1469	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Tetrasodium Pyrophosphate	7722-88-5	231-767-1	1140	5 - 15%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Sodium Carbonate	497-19-8	207-638-8	1135	1 - 10%	HAZARD CLASSIFICATION: [Xi] Irritant RISK PHRASES: R36
Sodium Alcohol Sulfate	151-21-3	205-788-1	0502	1 – 5%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN CONTACT: Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing dificulty continues.

INGESTION: If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, or eye problems may be aggravated by prolonged contact.

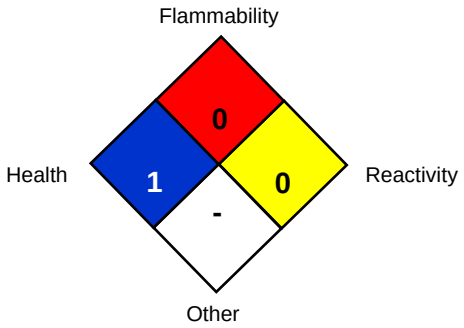
RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: Not Flammable
AUTOIGNITION TEMPERATURE: Not Applicable
FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): NA Upper (UEL): NA
FIRE EXTINGUISHING MATERIALS: As appropriate for surrounding fire. Carbon dioxide, foam, dry chemical, halon, or water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product is non-flammable and has no known explosion hazards.
Explosion Sensitivity to Mechanical Impact: Not Sensitive.
Explosion Sensitivity to Static Discharge: Not Sensitive
SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING SYSTEM



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	**1**
FLAMMABILITY HAZARD (RED)	**0**
PHYSICAL HAZARD (YELLOW)	**0**

PROTECTIVE EQUIPMENT

EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8

For Routine Industrial Use and Handling Applications

Hazard Scale: 0 = Minimal **1** = Slight **2** = Moderate **3** = Serious **4** = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations.
SPILLS: Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Sweep, shovel or vacuum spilled material and place in an appropriate container for re-use or disposal. Avoid dust generation if possible. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from strong acids or oxidizers.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	SWA
Sodium Bicarbonate	144-55-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium (C10 – C16) Alkylbenzene Sulfonate	68081-81-2	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Tripolyphosphate	7758-29-4	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Tetrasodium Pyrophosphate	7722-88-5	5 mg/m³	5 mg/m³	5 mg/m³
Sodium Carbonate	497-19-8	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust
Sodium Alcohol Sulfate	151-21-3	10 mg/m³ Total Dust	15 mg/m³ Total Dust	10 mg/m³ Total Dust

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Based on test data, exposure limits should not be exceeded under normal use conditions when using Alconox Detergent. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

HAND PROTECTION: Use chemical resistant gloves to prevent skin contact.. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

BODY PROTECTION: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE & ODOR:	White granular powder with little or no odor.
ODOR THRESHOLD (PPM):	Not Available
VAPOR PRESSURE (mmHg):	Not Applicable
VAPOR DENSITY (AIR=1):	Not Applicable.
BY WEIGHT:	Not Available
EVAPORATION RATE (nBuAc = 1):	Not Applicable.
BOILING POINT (C°):	Not Applicable.
FREEZING POINT (C°):	Not Applicable.
pH:	9.5 (1% aqueous solution)
SPECIFIC GRAVITY 20°C: (WATER =1)	0.85 – 1.1
SOLUBILITY IN WATER (%)	>10% w/w
COEFFICIENT OF WATER/OIL DIST.:	Not Available
VOC:	None
CHEMICAL FAMILY:	Detergent

SECTION 10 - STABILITY and REACTIVITY

STABILITY: Product is stable
DECOMPOSITION PRODUCTS: When heated to decomposition this product produces Oxides of carbon (COx)
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong acids and strong oxidizing agents.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with incompatible materials and dust generation.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA: Toxicity data is available for mixture:

CAS# 497-19-8 LD50 Oral (Rat)	4090 mg/kg
CAS# 497-19-8 LD50 Oral (Mouse)	6600 mg/kg
CAS# 497-19-8 LC50 Inhalation (Rat)	2300 mg/m³ 2H
CAS# 497-19-8 LC50 Inhalation (Mouse)	1200 mg/m³ 2H
CAS# 7758-29-4 LD50 Oral (Rat)	3120 mg/kg
CAS# 7758-29-4 LD50 Oral (Mouse)	3100 mg/kg
CAS# 7722-88-5 LD50 Oral (Rat)	4000 mg/kg

SUSPECTED CANCER AGENT: None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.
IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.
SENSITIZATION OF PRODUCT: This product is not considered a sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: No information concerning the effects of this product and its components on the human reproductive system.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.
ENVIRONMENTAL STABILITY: No Data available at this time.
EFFECT OF MATERIAL ON PLANTS or ANIMALS: No evidence is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence is currently available on this product's effects on aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:
THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.
PROPER SHIPPING NAME: Non-Regulated Material
HAZARD CLASS NUMBER and DESCRIPTION: Not Applicable
UN IDENTIFICATION NUMBER: Not Applicable
PACKING GROUP: Not Applicable.
DOT LABEL(S) REQUIRED: Not Applicable
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): Not Applicable
MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:
This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:
This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):
This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:
This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): None of the ingredients are on the California Proposition 65 lists.

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Controlled Product, Hazard Class D2B as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory if Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett Global Safety Management, 10006 Cross Creek Blvd. Suite 440, Tampa, FL 33647

Disclaimer: To the best of Alconox, Inc. knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type either express or implied are provided. The information contained herein relates only to this specific product.

ANNEX:

IDENTIFIED USES OF ALCONOX® AND DIRECTIONS FOR USE

Used to clean: Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware, personal protective equipment, sampling apparatus, catheters, tubing, pipes, radioactive contaminated articles, optical parts, electronic components, pharmaceutical apparatus, cosmetics manufacturing equipment, metal castings, forgings and stampings, industrial parts, tanks and reactors. Authorized by USDA for use in federally inspected meat and poultry plants. Passes inhibitory residue test for water analysis. FDA certified.

Used to remove: Soil, grit, grime, buffing compound, slime, grease, oils, blood, tissue, salts, deposits, particulates, solvents, chemicals, radioisotopes, radioactive contaminations, silicon oils, mold release agents.

Surfaces cleaned: Corrosion inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

Cleaning method: Soak, brush, sponge, cloth, ultrasonic, flow through clean-inplace. Will foam—not for spray or machine use.

Directions: Make a fresh 1% solution (2 1/2 Tbsp. per gal., 1 1/4 oz. per gal. or 10 grams per liter) in cold, warm, or hot water. If available use warm water. Use cold water for blood stains. For difficult soils, raise water temperature and use more detergent. Clean by soak, circulate, wipe, or ultrasonic method. Not for spray machines, will foam. For nonabrasive scouring, make paste. Use 2% solution to soak frozen stopcocks. To remove silver tarnish, soak in 1% solution in aluminum container. RINSE THOROUGHLY—preferably with running water. For critical cleaning, do final or all rinsing in distilled, deionized, or purified water. For food contact surfaces, rinse with potable water. Used on a wide range of glass, ceramic, plastic, and metal surfaces. Corrosion testing may be advisable.

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1 Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name: LIQUINOX**
· **Application of the substance / the preparation** Hand detergent

· **1.3 Details of the supplier of the Safety Data Sheet**
· **Manufacturer/Supplier:**
Alconox, Inc.
30 Glenn St., Suite 309
White Plains, NY 10603
Phone: 914-948-4040

· **Further information obtainable from:** Product Safety Department
· **1.4 Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36/38: Irritating to eyes and skin.
· **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
· **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**
Benzenesulfonic Acid, Sodium Salts
· **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
· **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Trade name: LIQUINOX

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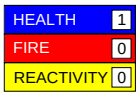
P264	Wash thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see on this label).
P362	Take off contaminated clothing and wash before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.

· **Hazard description:**
· **WHMIS-symbols:**
D2B - Toxic material causing other toxic effects

· **NFPA ratings (scale 0 - 4)**

Health = 1
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 1
Fire = 0
Reactivity = 0

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 68081-81-2	Benzenesulfonic Acid, Sodium Salts Xi R38-41 Eye Dam. 1, H318 Skin Irrit. 2, H315	10-25%
CAS: 1300-72-7 EINECS: 215-090-9	sodium xylenesulphonate Xi R36/37/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-10%
CAS: 84133-50-6	Alcohol Ethoxylate Xi R36/38 Skin Irrit. 2, H315	2,5-10%
CAS: 68603-42-9 EINECS: 271-657-0	Coconut diethanolamide Xi R36/38	2,5-10%
CAS: 17572-97-3 EINECS: 241-543-5	Ethylenediaminetetraacetic acid, tripotassium salt Xi R36/37/38	2,5-10%

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· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· **4.1 Description of first aid measures**
· **General information:** Take affected persons out into the fresh air.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Particular danger of slipping on leaked/spilled product.
· **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Clean the affected area carefully; suitable cleaners are:
Warm water
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

· **7.1 Precautions for safe handling** No special measures required.
· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** None.
· **7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**
· **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
· **Respiratory protection:** Not required.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Natural rubber, NR
Nitrile rubber, NBR
Neoprene gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Safety glasses

Goggles recommended during refilling

9 Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Colour:	Light yellow
· **Odour:**	Odourless
· **Odour threshold:**	Not determined.
· **pH-value at 20°C:**	8,5
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	
Decomposition temperature:	Not determined.
· **Self-igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure at 20°C:**	23 hPa
· **Density at 20°C:**	1,08 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water:**	Fully miscible.
· **Segregation coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.

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Trade name: LIQUINOX

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· **9.2 Other information** No further relevant information available.

10 Stability and reactivity

· **10.1 Reactivity**
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**
Reacts with strong oxidizing agents.
Reacts with strong acids.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Sulphur oxides (SOx)
Nitrogen oxides

11 Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Strong irritant with the danger of severe eye injury.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

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Trade name: LIQUINOX

(Contd. of page 6)

· **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Smaller quantities can be disposed of with household waste.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
The surfactant used in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **14.1 UN-Number**	
· **DOT, ADR, ADN, IMDG, IATA**	N/A
· **14.2 UN proper shipping name**	
· **DOT, ADR, ADN, IMDG, IATA**	N/A
· **14.3 Transport hazard class(es)**	
· **DOT, ADR, ADN, IMDG, IATA**	
· **Class**	N/A
· **14.4 Packing group**	
· **DOT, ADR, IMDG, IATA**	N/A
· **14.5 Environmental hazards:**	
· **Marine pollutant:**	No
· **14.6 Special precautions for user**	Not applicable.
· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **UN "Model Regulation":**	-

15 Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **United States (USA)**
· **SARA**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet
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· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

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Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Printing date 25.05.2012 Revision: 24.05.2012

Trade name: LIQUINOX

(Contd. of page 8)

· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)

APPENDIX B

Heat and Cold Stress Guidelines

Heat Stress

Heat stress is a significant potential hazard and can be associated with heavy physical activity and/or the use of personal protective equipment (PPE) in hot weather environments.

Heat cramps are brought on by prolonged exposure to heat. As an individual sweats, water and salts are lost by the body resulting in painful muscle cramps. The signs and symptoms of heat cramps are as follows:

- severe muscle cramps, usually in the legs and abdomen;
- exhaustion, often to the point of collapse; and
- dizziness or periods of faintness.

First aid treatment includes moving to a shaded area, rest, and fluid intake. Normally, the individual should recover within one-half hour. If the individual has not recovered within 30 minutes and the temperature has not decreased, the individual should be transported to a hospital for medical attention.

Heat exhaustion may occur in a healthy individual who has been exposed to excessive heat. The circulatory system of the individual fails as blood collects near the skin in an effort to rid the body of excess heat. The signs and symptoms of heat exhaustion are as follows:

- rapid and shallow breathing;
- weak pulse;
- cold and clammy skin with heavy perspiration;
- skin appears pale;
- fatigue and weakness;
- dizziness; and
- elevated body temperature.

First aid treatment includes cooling the victim, elevating the feet, and replacing fluids and electrolytes. If the individual has not recovered within 30 minutes and the temperature has not decreased, the individual should be transported to the hospital for medical attention.

Heat stroke occurs when an individual is exposed to excessive heat and stops sweating. This condition is classified as a **MEDICAL EMERGENCY**, requiring immediate cooling of the victim and transport to a medical facility. The signs and symptoms of heat stroke are as follows:

- dry, hot, red skin;
- body temperature approaching or above 105°F;
- large (dilated) pupils; and
- loss of consciousness – the individual may go into a coma.

First aid treatment requires immediate cooling and transportation to a medical facility.

Heat stress (heat cramps, heat exhaustion, and heat stroke) is a significant hazard if any type of protective equipment (semi-permeable or impermeable) which prevents evaporative cooling is worn in hot weather environments. Local weather conditions may require restricted work schedules in order to adequately protect personnel. The use of work/rest cycles (including working in the cooler periods of the day or evening) and training on the signs and symptoms of heat stress should help prevent heat-related illnesses from occurring. Work/rest cycles will depend on the work load required to perform each task, type of protective equipment, temperature, and humidity. In general, when the temperature exceeds 88°F, a 15 minute rest cycle will be initiated once every two hours. In addition, potable water and fluids containing electrolytes (e.g., Gatorade) will be available to replace lost body fluids.

Cold Stress

Cold stress is a danger at low temperatures and when the wind-chill factor is low. Prevention of cold-related illnesses is a function of whole-body protection. Adequate insulating clothing must be used when the air temperature is below 40°F. In addition, reduced work periods followed by rest in a warm area may be necessary in extreme conditions. Training on the signs and symptoms of cold stress should prevent cold-related illnesses from occurring. The signs and symptoms of cold stress include the following:

- severe shivering;
- abnormal behavior;

- slowing of body movement;
- confusion;
- weakness;
- stumbling or repeated falling;
- inability to walk;
- collapse; and/or
- unconsciousness.

First aid requires removing the victim from the cold environment and seeking medical attention immediately. Also, prevent further body heat loss by covering the victim lightly with blankets. Do not cover the victim's face. If the victim is still conscious, administer hot drinks, and encourage activity, such as walking wrapped in a blanket.

APPENDIX C

Medical Data Form

MEDICAL DATA SHEET

This form must be completed by all onsite personnel prior to the commencement of activities, and shall be kept by the Site Health and Safety Officer during site activities. This form must be delivered to any attending physician when medical assistance is needed.

(This form should be typed or printed legibly.)

Site: _____

Name: _____ Home Telephone: _____
(Area Code/Telephone Number)

Address: _____

Date of Birth: _____ Height: _____ Weight: _____

Emergency Contact: _____ Telephone: _____
(Area Code/Telephone Number)

Drug Allergies or Other Allergies: _____

_____

Previous Illnesses or Exposures to Hazardous Substances: _____

_____

_____

Current Medication (Prescription and Non-Prescription): _____

_____

_____

Medical Restrictions: _____

_____

Name, Address and Telephone Number of Person Physician: _____

_____

APPENDIX D

Community Air Monitoring Plan

Community Air Monitoring Plan

5530 Broadway, Bronx, New York

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedances of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued.

If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for project management personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for project management personnel to review.

APPENDIX E

Health and Safety Briefing/Tailgate Meeting Form

HEALTH & SAFETY BRIEFING / TAILGATE MEETING FORM

Site Name / Location _____

Date: _____ Weather Forecast: _____

Names of Personnel Attending Briefing

_____ _____ _____

_____ _____ _____

_____ _____ _____

Planned Work

_____

_____

_____

Instrument Calibration: Instrument/Time/Cal. Gas/Cal. Concentration/Actual Concentration

_____

_____

_____

Items Discussed

_____

_____

_____

_____

_____

Work Permit Type and Applicable Restrictions

_____

_____

_____

Signatures of Attending Personnel

_____ _____ _____

_____ _____ _____

_____ _____ _____

APPENDIX F

Accident Report and Investigation Form

☐ **Roux Associates, Inc.** ☐ **Remedial Engineering, P.C.**
(Check applicable company name)

ACCIDENT REPORT

Joe Gentile, Corporate Health and Safety Manager
Cell: (610) 844-6911; Office: (856) 423-8800; Office FAX: (856) 423-3220; Home: (484) 373-0953

PART 1: ADMINISTRATIVE INFORMATION

Project #: _____
Project Name: _____
Project Location (street address/city/state)**:**
_____
_____
Client Corporate Name / Contact / Address / Phone #:
_____
_____
_____
_____
_____

Immediate Verbal Notifications Given To:

Corporate Health & Safety	☐Yes	☐No
Office Health & Safety	☐Yes	☐No
Office Manager	☐Yes	☐No
Project Principal	☐Yes	☐No
Project Manager	☐Yes	☐No
Client Contact	☐Yes	☐No

REPORT STATUS (time due):
☐ Initial (24 hr) ☐ Final (5-10 days)
Date: _____ Date: _____

Accident Report Delivered To:

Corporate Health & Safety	☐Yes	☐No
Office Health & Safety	☐Yes	☐No
Office Manager	☐Yes	☐No
Project Principal	☐Yes	☐No
Project Manager	☐Yes	☐No

REPORT TYPE: ☐ Loss ☐ Near Loss Estimated Costs: $ _____

OSHA CASE # Assigned by Corporate Health & Safety if Applicable: _____

Corporate Health & Safety Confirmed Final Accident Report
☐Yes ☐No

DATE OF INCIDENT: _____

TIME INCIDENT OCCURRED: _____ ☐AM ☐PM

INCIDENT LOCATION – City, State, and Country (If outside U.S.A.)
_____

INCIDENT TYPES: (Select most appropriate if Loss occurred.)
From lists below, please select the option that best categories the incident. When selecting an injury or illness, also indicate the severity level.

☐**INJURY** ☐**ILLNESS**

----------**Severity Level**----------

☐Fatality ☐First Aid ☐Medical Treatment
☐Restricted Work ☐Lost Time

OTHER INCIDENT TYPES

☐Spill / Release
Material involved:_____
Quantity (U.S. Gallons): _____

☐Misdirected Waste ☐Consent Order ☐NOV
☐Property Damage ☐Exceedance
☐Motor Vehicle ☐Fine / Penalty

ACTIVITY TYPE (Check most appropriate one.)

☐Decommissioning	☐Geoprobe	☐Sampling
☐Demolition	☐Motor Vehicle	☐System Start-up
☐Dewatering	☐Operations/ Maintenance	☐Trenching
☐Drilling		☐AST/UST Removal
☐Excavation	☐Pump/Pilot Test	☐Other_____
☐Gauging	☐Rigging/Lifting	

INJURY TYPE (Check all applicable.)

☐Abrasion	☐Occupational Illness
☐Amputation	☐Puncture
☐Burn	☐Rash
☐Cold/Heat Stress	☐Repetitive Motion
☐Inflammation	☐Sprain/Strain
☐Laceration	☐Other_____

BODY PART AFFECTED (Check all applicable.)

☐Respiratory	☐Shoulder	☐Face
☐Neck	☐Arm	☐Leg
☐Chest	☐Wrist	☐Knee
☐Abdomen	☐Hand/Fingers	☐Ankle
☐Groin	☐Eye	☐Foot/Toes
☐Back	☐Head	☐Other_____

I. PERSON(S) DIRECTLY / INDIRECTLY INVOLVED IN INCIDENT (Attach additional information as necessary/applicable.)

Name/Phone # of Each Person Directly/Indirectly Involved in Incident:	Designate: Roux/Remedial Employee Roux/Remedial Subcontractor Client Employee Client Contractor Third Party	As applicable, Current Occupation; Yrs in Current Occupation; Current Position; and Yrs in Current Position:	As applicable, Employer Name; Address; and Phone #:	As applicable, Supervisor Name; and Phone #:
1)				
2)				

II. PERSONS INJURED IN INCIDENT (Attach additional information as necessary/applicable.)

Name/Phone # of Each Person Injured in Incident:	Designate: Roux/Remedial Employee Roux/Remedial Subcontractor Client Employee Client Contractor Third Party	As applicable, Current Occupation; Yrs in Current Occupation; Current Position; and Yrs in Current Position:	As applicable, Employer Name; Address; and Phone #:	As applicable, Supervisor Name; and Phone #:	Description of Injury:
1)					
2)					

III. PROPERTY DAMAGED IN INCIDENT (Attach additional information as necessary/applicable.)

Property Damaged:	Property Location:	Owner Name, Address & Phone #:	Description of Damage:	Estimated Cost:
1)				$

2)				$

IV. WITNESSES TO INCIDENT (Attach additional information as necessary/applicable.)

Witness Name:	Address:	Phone #:
1)		
2)		

PART 2: WHAT HAPPENED AND INCIDENT DETAILS

PROVIDE FACTUAL DESCRIPTION OF INCIDENT (e.g., describe loss/near loss, injury, response / treatment).

I. AUTHORITIES/GOVERNMENTAL AGENCIES NOTIFIED (Attach additional information as necessary/applicable.)

Authority/Agency Notified:	Name/Phone #/Fax # of Person Notified:	Address of Person Notified:	Date & Time of Notification:	Exact Information Reported/Provided:

II. PUBLIC RESPONSES TO INCIDENT (if applicable)

Response/Inquiry By: (check one)	Entity Name:	Name/Phone # of Respondent/ Inquirer:	Address of Entity/Person:	Date & Time of Response/Inquiry:
☐ Newspaper ☐ Television ☐ Community Group ☐ Neighbors ☐ Other _____				

Describe Response/Inquiry:

Roux/Remedial Response:

(Check all that apply.) (Attach photos, drawings, etc. to help illustrate the incident.)
ATTACHED INFORMATION: ☐ Photo ☐ Sketches ☐ Vehicle Acord Form ☐ Police Report ☐ Other

Name(s) of person(s) who prepared Initial and Final Report:	**Title(s):**	**Phone number(s):**

PART 3: INVESTIGATION TEAM ANALYSIS

CONCLUSION: WHY IT HAPPENED (LIST CAUSAL FACTORS AND CORRESPONDING ROOT CAUSES)

(Root Causes: Lack of knowledge or skill, Doing the task according to procedures or acceptable practices takes more time or effort, Short-cuts or not following acceptable practices is reinforced or tolerated, Not following procedures or acceptable practices did not result in an accident, Lack of or inadequate procedures, Inadequate communications of expectations regarding procedures or acceptable practices, Inadequate tools or equipment, External Factors)

ROOT CAUSE(S) AND SOLUTION(S): HOW TO PREVENT INCIDENT FROM RECURRING

CAUSAL FACTOR	ROOT CAUSE		SOLUTION(S) [Must Match Root Cause(s)] #	Solution(s)	PERSON RESPONSIBLE	AGREED DUE DATE	ACTUAL COMPLETION DATE
			1				
			2				
			3				

INVESTIGATION TEAM:

PRINT NAME	JOB POSITION	DATE	SIGNATURE

No One Gets Hurt!

APPENDIX G

Acord Form

AUTOMOBILE LOSS NOTICE

DATE (MM/DD/YYYY)

AGENCY	INSURED LOCATION CODE	DATE OF LOSS AND TIME
The Treiber Group AJ Gallagher Risk Mgmt Svcs 377 Oak Street Garden City, NY 11530		AM / PM

CARRIER	NAIC CODE
Great Divide Insurance Company	25224

POLICY NUMBER: BAP1549799-10

POLICY TYPE: Commercial Automobile

CONTACT NAME: Teresa Garzia
PHONE (A/C, No, Ext): 516.622.2418
FAX (A/C, No): 516.622.2618
E-MAIL ADDRESS: teresa_garzia@ajg.com
CODE:
SUBCODE:
AGENCY CUSTOMER ID: ROUXASSO

INSURED

NAME OF INSURED (First, Middle, Last)	DATE OF BIRTH	FEIN (if applicable)	MARITAL STATUS / CIVIL UNION (if applicable)
Roux Associates, Inc.		11-2579482	

INSURED'S MAILING ADDRESS:
Susan Sullivan, General Counsel, Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749

PRIMARY PHONE # ☐ HOME ☑ BUS ☐ CELL: 631.232.2600
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL:
PRIMARY E-MAIL ADDRESS: LegalDept@rouxinc.com
SECONDARY E-MAIL ADDRESS: Fax Notice of Loss to: 631.232.1525

CONTACT

☐ CONTACT INSURED

NAME OF CONTACT (First, Middle, Last): Susan Sullivan, General Counsel

PRIMARY PHONE # ☐ HOME ☑ BUS ☐ CELL: 631.232.2600
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL:

CONTACT'S MAILING ADDRESS:
Susan Sullivan, General Counsel, Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749

WHEN TO CONTACT:
PRIMARY E-MAIL ADDRESS: LegalDept@rouxinc.com
SECONDARY E-MAIL ADDRESS: Fax Notice of Loss to: 631.232.1525

LOSS

LOCATION OF LOSS
STREET:
CITY, STATE, ZIP:
COUNTRY:

POLICE OR FIRE DEPARTMENT CONTACTED:
REPORT NUMBER:

DESCRIBE LOCATION OF LOSS IF NOT AT SPECIFIC STREET ADDRESS:

DESCRIPTION OF ACCIDENT (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

INSURED VEHICLE

VEH #	YEAR	MAKE:	BODY TYPE:	PLATE NUMBER	STATE
		MODEL:	V.I.N.:		

OWNER'S NAME AND ADDRESS ☐ (Check if same as insured)

PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
PRIMARY E-MAIL ADDRESS:
SECONDARY E-MAIL ADDRESS:

DRIVER'S NAME AND ADDRESS ☐ (Check if same as owner)

PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL
SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
PRIMARY E-MAIL ADDRESS:
SECONDARY E-MAIL ADDRESS:

RELATION TO INSURED (Employee, family, etc.)	DATE OF BIRTH	DRIVER'S LICENSE NUMBER	STATE	PURPOSE OF USE	USED WITH PERMISSION? (Y/N)

DESCRIBE DAMAGE

1. WAS A STANDARD CHILD PASSENGER RESTRAINT SYSTEM (CHILD SEAT) INSTALLED IN THE VEHICLE AT THE TIME OF THE ACCIDENT?		Y / N
2. WAS THE CHILD PASSENGER RESTRAINT SYSTEM (CHILD SEAT) IN USE BY A CHILD DURING THE TIME OF THE ACCIDENT?		Y / N
3. DID THE CHILD PASSENGER RESTRAINT SYSTEM (CHILD SEAT) SUSTAIN A LOSS AT THE TIME OF THE ACCIDENT?		Y / N

ESTIMATE AMOUNT:	WHERE CAN VEHICLE BE SEEN?:	WHEN CAN VEHICLE BE SEEN?:
OTHER INSURANCE ON VEHICLE - CARRIER:		POLICY NUMBER:

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OTHER VEHICLE / PROPERTY DAMAGED **NON - VEHICLE?** ☐ **AGENCY CUSTOMER ID:** ROUXASSO

VEH #	YEAR	MAKE:	BODY TYPE:	PLATE NUMBER	STATE
		MODEL:	V.I.N.:		

DESCRIBE PROPERTY (Other Than Vehicle)	OTHER VEH/PROP INS? (Y/N) ☐

CARRIER OR AGENCY NAME	NAIC CODE	POLICY NUMBER

OWNER'S NAME AND ADDRESS	PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL	SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
	PRIMARY E-MAIL ADDRESS:	
	SECONDARY E-MAIL ADDRESS:	

DRIVER'S NAME AND ADDRESS ☐ (Check if same as owner)	PRIMARY PHONE # ☐ HOME ☐ BUS ☐ CELL	SECONDARY PHONE # ☐ HOME ☐ BUS ☐ CELL
	PRIMARY E-MAIL ADDRESS:	
	SECONDARY E-MAIL ADDRESS:	

DESCRIBE DAMAGE		
ESTIMATE AMOUNT	WHERE CAN DAMAGE BE SEEN?	

INJURED

NAME & ADDRESS	PHONE (A/C, No)	PED	INS VEH	OTH VEH	AGE	EXTENT OF INJURY
		☐	☐	☐		
		☐	☐	☐		
		☐	☐	☐		
		☐	☐	☐		

WITNESSES OR PASSENGERS

NAME & ADDRESS	PHONE (A/C, No)	INS VEH	OTH VEH	OTHER (Specify)
		☐	☐	
		☐	☐	
		☐	☐	

REPORTED BY	REPORTED TO

REMARKS (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

APPLICABLE IN ALASKA

A person who knowingly and with intent to injure, defraud, or deceive an insurance company files a claim containing false, incomplete, or misleading information may be prosecuted under state law.

APPLICABLE IN ARIZONA

For your protection, Arizona law requires the following statement to appear on this form. Any person who knowingly presents a false or fraudulent claim for payment of a loss is subject to criminal and civil penalties.

APPLICABLE IN ARKANSAS, DELAWARE, KENTUCKY, LOUISIANA, MAINE, MICHIGAN, NEW JERSEY, NEW MEXICO, NORTH DAKOTA, PENNSYLVANIA, RHODE ISLAND, SOUTH DAKOTA, TENNESSEE, TEXAS, VIRGINIA, AND WEST VIRGINIA

Any person who knowingly and with intent to defraud any insurance company or another person, files a statement of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact, material thereto, commits a fraudulent insurance act, which is a crime, subject to criminal prosecution and civil penalties. In LA, ME, TN, and VA, insurance benefits may also be denied.

APPLICABLE IN CALIFORNIA

For your protection, California law requires the following to appear on this form: Any person who knowingly presents a false or fraudulent claim for payment of a loss is guilty of a crime and may be subject to fines and confinement in state prison.

APPLICABLE IN COLORADO

It is unlawful to knowingly provide false, incomplete, or misleading facts or information to an insurance company for the purpose of defrauding or attempting to defraud the company. Penalties may include imprisonment, fines, denial of insurance, and civil damages. Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policy holder or claimant for the purpose of defrauding or attempting to defraud the policy holder or claimant with regard to a settlement or award payable from insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.

APPLICABLE IN THE DISTRICT OF COLUMBIA

Warning: It is a crime to provide false or misleading information to an insurer for the purpose of defrauding the insurer or any other person. Penalties include imprisonment and/or fines. In addition, an insurer may deny insurance benefits, if false information materially related to a claim was provided by the applicant.

APPLICABLE IN FLORIDA

Pursuant to S. 817.234, Florida Statutes, any person who, with the intent to injure, defraud, or deceive any insurer or insured, prepares, presents, or causes to be presented a proof of loss or estimate of cost or repair of damaged property in support of a claim under an insurance policy knowing that the proof of loss or estimate of claim or repairs contains any false, incomplete, or misleading information concerning any fact or thing material to the claim commits a felony of the third degree, punishable as provided in S. 775.082, S. 775.083, or S. 775.084, Florida Statutes.

APPLICABLE IN HAWAII

For your protection, Hawaii law requires you to be informed that presenting a fraudulent claim for payment of a loss or benefit is a crime punishable by fines or imprisonment, or both.

APPLICABLE IN IDAHO

Any person who knowingly and with the intent to injure, defraud, or deceive any insurance company files a statement of claim containing any false, incomplete or misleading information is guilty of a felony.

APPLICABLE IN INDIANA

A person who knowingly and with intent to defraud an insurer files a statement of claim containing any false, incomplete, or misleading information commits a felony.

APPLICABLE IN KANSAS

Any person who, knowingly and with intent to defraud, presents, causes to be presented or prepares with knowledge or belief that it will be presented to or by an insurer, purported insurer, broker or any agent thereof, any written statement as part of, or in support of, an application for the issuance of, or the rating of an insurance policy for personal or commercial insurance, or a claim for payment or other benefit pursuant to an insurance policy for commercial or personal insurance which such person knows to contain materially false information concerning any fact material thereto; or conceals, for the purpose of misleading, information concerning any fact material thereto commits a fraudulent insurance act.

APPLICABLE IN MARYLAND

Any person who knowingly and [or]* willfully presents a false or fraudulent claim for payment of a loss or benefit or who knowingly and [or]* willfully presents false information in an application for insurance is guilty of a crime and may be subject to fines and confinement in prison. * [or] effective 01-01-2013

APPLICABLE IN MINNESOTA

A person who files a claim with intent to defraud or helps commit a fraud against an insurer is guilty of a crime.

APPLICABLE IN NEVADA

Pursuant to NRS 686A.291, any person who knowingly and willfully files a statement of claim that contains any false, incomplete or misleading information concerning a material fact is guilty of a felony.

APPLICABLE IN NEW HAMPSHIRE

Any person who, with purpose to injure, defraud or deceive any insurance company, files a statement of claim containing any false, incomplete or misleading information is subject to prosecution and punishment for insurance fraud, as provided in RSA 638:20.

APPLICABLE IN NEW YORK

Any person who knowingly and with intent to defraud any insurance company or other person files an application for commercial insurance or a statement of claim for any commercial or personal insurance benefits containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, and any person who in connection with such application or claim knowingly makes or knowingly assists, abets, solicits or conspires with another to make a false report of the theft, destruction, damage or conversion of any motor vehicle to a law enforcement agency, the Department of Motor Vehicles or an insurance company, commits a fraudulent insurance act, which is a crime, and shall also be subject to a civil penalty not to exceed five thousand dollars and the value of the subject motor vehicle or stated claim for each violation.

APPLICABLE IN OHIO

Any person who, with intent to defraud or knowing that he/she is facilitating a fraud against an insurer, submits an application or files a claim containing a false or deceptive statement is guilty of insurance fraud.

APPLICABLE IN OKLAHOMA

WARNING: Any person who knowingly and with intent to injure, defraud or deceive any insurer, makes any claim for the proceeds of an insurance policy containing any false, incomplete or misleading information is guilty of a felony.

APPLICABLE IN WASHINGTON

It is a crime to knowingly provide false, incomplete, or misleading information to an insurance company for the purpose of defrauding the company. Penalties include imprisonment, fines and denial of insurance benefits.

APPENDIX H

OSHA 300

OSHA's Form 300 (Rev. 01/2004)

Log of Work-Related Injuries and Illnesses

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

Year _____

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

You must record information about every work-related injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid. You must also record significant work-related injuries and illnesses that are diagnosed by a physician or licensed health care professional. You must also record work-related injuries and illnesses that meet any of the specific recording criteria listed in 29 CFR 1904.8 through 1904.12. Feel free to use two lines for a single case if you need to. You must complete an injury and illness incident report (OSHA Form 301) or equivalent form for each injury or illness recorded on this form. If you're not sure whether a case is recordable, call your local OSHA office for help.

Establishment name _____

City _____ State _____

Identify the person				Describe the case		Classify the case											
						CHECK ONLY ONE box for each case based on the most serious outcome for that case:				Enter the number of days the injured or ill worker was:		Check the "injury" column or choose one type of illness:					
(A) Case No.	(B) Employee's Name	(C) Job Title (e.g., Welder)	(D) Date of injury or onset of illness (mo./day)	(E) Where the event occurred (e.g. Loading dock north end)	(F) Describe injury or illness, parts of body affected, and object/substance that directly injured or made person ill (e.g. Second degree burns on right forearm from acetylene torch)	Death	Days away from work	Remained at work		Away From Work (days)	On job transfer or restriction (days)	(M) Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
								Job transfer or restriction	Other record-able cases								
						(G)	(H)	(I)	(J)	(K)	(L)	(1)	(2)	(3)	(4)	(5)	(6)
					Page totals	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*

Be sure to transfer these totals to the Summary page (Form 300A) before you post it.

Injury	Skin Disorder	Respiratory Condition	Poisoning	Hearing Loss	All other illnesses
(1)	(2)	(3)	(4)	(5)	(6)

Public reporting burden for this collection of information is estimated to average 14 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

EQO1924.0006Y.103/APH

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year _____

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	0	0	0
(G)	(H)	(I)	(J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0	0
(K)	(L)

Injury and Illness Types

Total number of… (M)

(1) Injury	0	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0
(3) Respiratory Condition	0	(6) All Other Illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form

Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment information

Your establishment name _____

Street _____

City _____ State _____ Zip _____

Industry description (e.g., Manufacture of motor truck trailers)

_____

Standard Industrial Classification (SIC), if known (e.g., SIC 3715)

___ ___ ___ ___

OR North American Industrial Classification (NAICS), if known (e.g., 336212)

___ ___ ___ ___ ___ ___

Employment information

Annual average number of employees _____

Total hours worked by all employees last year _____

Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

_____ Company executive

_____ Title

_____ Phone

_____ Date

EQO1924.0006Y.103/APH

OSHA's Form 301
Injuries and Illnesses Incident Report

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes.

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1218-0176

This *Injury and Illness Incident Repor* t is one of the first forms you must fill out when a recordable work-related injury or illness has occurred. Together with the *Log of Work-Related injuries and Illnesses* and the accompanying *Summary* , these forms help the employer and OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the information asked for on this form.

According to Public Law 91-596 and 29 CFR 1904, OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains

If you need additional copies of this form, you may photocopy and use as many as you need.

Completed by _____

Title _____

Phone _____ Date _____

Information about the employee

1) Full Name _____

2) Street _____

City _____ State _____ Zip _____

3) Date of birth _____

4) Date hired _____

5) ☐ Male
☐ Female

Information about the physician or other health care professional

6) Name of physician or other health care professional

_____

_____

7) If treatment was given away from the worksite, where was it given?

Facility _____

Street _____

City _____ State _____ Zip _____

8) Was employee treated in an emergency room?
☐ Yes
☐ No

9) Was employee hospitalized overnight as an in-patient?
☐ Yes
☐ No

Information about the case

10) Case number from the Log _____ *(Transfer the case number from the Log after you record the case.)*

11) Date of injury or illness _____

12) Time employee began work _____ AM/PM

13) Time of event _____ AM/PM ☐ Check if time cannot be determined

14) **What was the employee doing just before the incident occurred?** Describe the activity, as well as the tools, equipment or material the employee was using. Be specific. Examples: "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

15) **What happened?** Tell us how the injury occurred. Examples: "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."

16) **What was the injury or illness?** Tell us the part of the body that was affected and how it was affected; be more specific than "hurt", "pain", or "sore." Examples: "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."

17) **What object or substance directly harmed the employee?** Examples: "concrete floor"; "chlorine"; "radial arm saw." If this question does not apply to the incident, leave it blank.

18) **If the employee died, when did death occur?** Date of death

Public reporting burden for this collection of information is estimated to average 22 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Persons are not required to respond to the collection of information unless it displays a current valid OMB control number. If you have any comments about this estimate or any other aspects of this data collection, including suggestions for reducing this burden, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

APPENDIX I

Weekly Safety Report

APPENDIX I

WEEKLY SAFETY REPORT

Job Name_____ Job#_____

Week of: **Days Without Lost Time Injury:**

Describe any recordable incidents or accidents:

What actions were taken to prevent such incidents or accidents from occurring again?

Was training conducted addressing the incident? Y N What date?___

What level of PPE is currently in place?

Has PPE been upgraded or downgraded?

Have Perimeter Air Monitoring action limits been exceeded:

What action was taken to mitigate the exceedance?

Have personal air monitoring limits been exceeded:

What actions were taken?

List any problems with air monitoring equipment:

Write a summary of work completed during the week:

Write a summary of proposed work for the coming week:

Summarize any safety issues that are outstanding:

HSO Name: _____ HSO Signature: _____

APPENDIX J

Job Safety and Health Protection Poster

You Have a Right to a Safe and Healthful Workplace.

IT'S THE LAW!

- You have the right to notify your employer or OSHA about workplace hazards. You may ask OSHA to keep your name confidential.
- You have the right to request an OSHA inspection if you believe that there are unsafe and unhealthful conditions in your workplace. You or your representative may participate in the inspection.
- You can file a complaint with OSHA within 30 days of discrimination by your employer for making safety and health complaints or for exercising your rights under the *OSH Act*.
- You have a right to see OSHA citations issued to your employer. Your employer must post the citations at or near the place of the alleged violation.
- Your employer must correct workplace hazards by the date indicated on the citation and must certify that these hazards have been reduced or eliminated.
- You have the right to copies of your medical records or records of your exposure to toxic and harmful substances or conditions.
- Your employer must post this notice in your workplace.

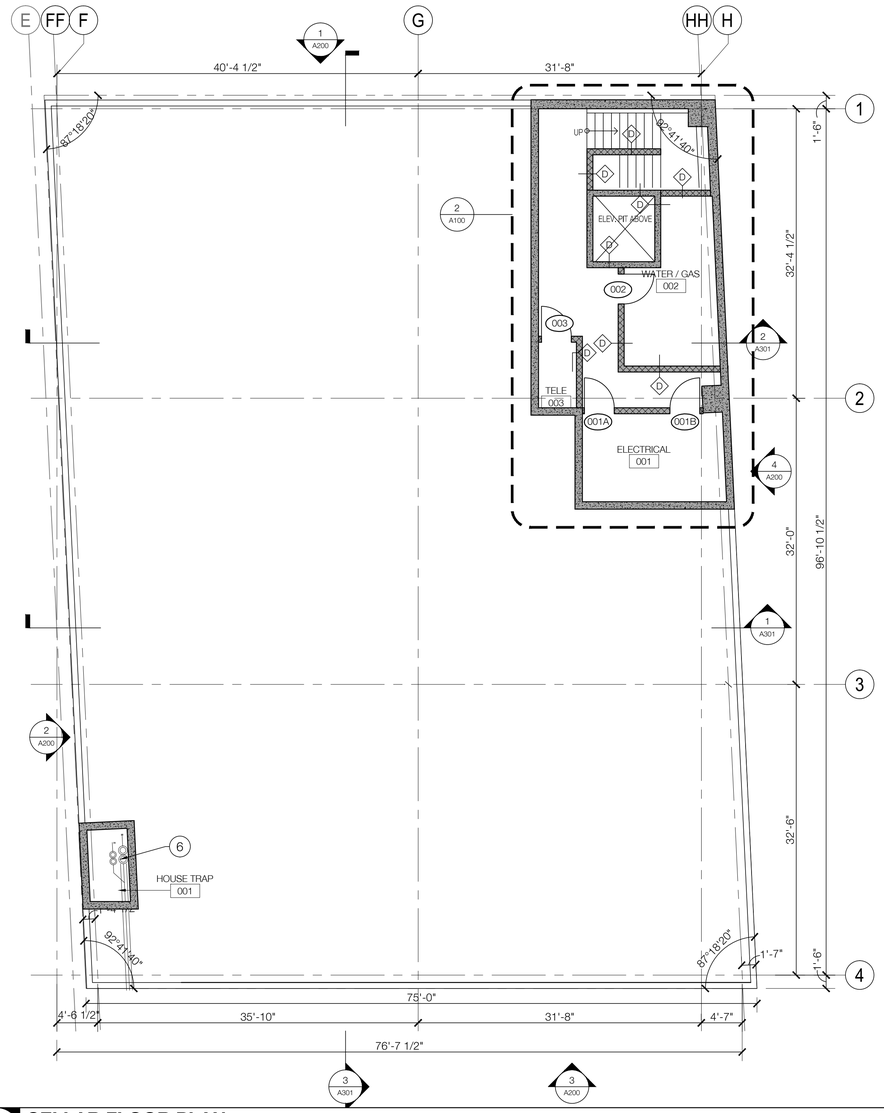
The *Occupational Safety and Health Act of 1970 (OSH Act)*, P.L. 91-596, assures safe and healthful working conditions for working men and women throughout the Nation. The Occupational Safety and Health Administration, in the U.S. Department of Labor, has the primary responsibility for administering the *OSH Act*. The rights listed here may vary depending on the particular circumstances. To file a complaint, report an emergency, or seek OSHA advice, assistance, or products, call 1-800-321-OSHA or your nearest OSHA office: • Atlanta (404) 562-2300 • Boston (617) 565-9860 • Chicago (312) 353-2220 • Dallas (214) 767-4731 • Denver (303) 844-1600 • Kansas City (816) 426-5861 • New York (212) 337-2378 • Philadelphia (215) 861-4900 • San Francisco (415) 975-4310 • Seattle (206) 553-5930. Teletypewriter (TTY) number is 1-877-889-5627. To file a complaint online or obtain more information on OSHA federal and state programs, visit OSHA's website at **www.osha.gov**. If your workplace is in a state operating under an OSHA-approved plan, your employer must post the required state equivalent of this poster.

1-800-321-OSHA
www.osha.gov

U.S. Department of Labor • Occupational Safety and Health Administration • OSHA 3165

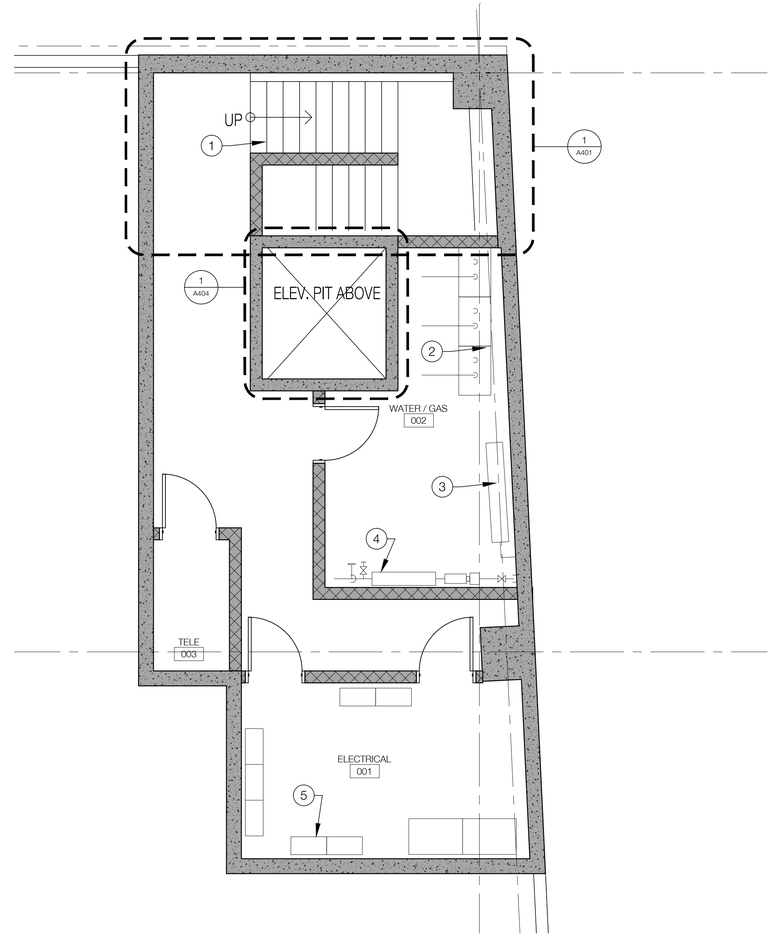
APPENDIX E

Proposed Redevelopment Plans



1 CELLAR FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 CELLAR FLOOR DETAIL PLAN

SCALE: 1/4" = 1'-0"

3 PLAN KEYNOTES

SCALE: N.T.S.

1. METAL PAN STAIR W/ CONCRETE TREADS
2. GAS METERS. SEE MEP.
3. DOMESTIC WATER VALVES. SEE MEP.
4. FIRE WATER VALVES. SEE MEP.
5. ELECTRICAL PANELS. SEE MEP.
6. COMBINED SEWER TRAP. SEE MEP.

3 KEYNOTES

SCALE: N.T.S.

4 PLAN NOTES

SCALE: N.T.S.

1. ZONING ANALYSIS, REFER TO DWG. Z-001 & Z-002
2. BUILDING CODE REQUIREMENTS, REFER TO DWG. A-001
3. ADA ACCESSIBILITY DATA, REFER TO DWG. A-002
4. CELLAR LIFE SAFETY PLAN, REFER TO DWG. A-003
5. FIRST FLOOR LIFE SAFETY PLAN, REFER TO DWG. A-004
6. ARCHITECTURAL SITE PLAN, REFER TO DWG. A-010
7. CELLAR FLOOR PLAN, REFER TO DWG. A-100
8. FIRST FLOOR PLAN, REFER TO DWG. A-101
9. SECOND FLOOR PLAN, REFER TO DWG. A-102
10. ROOF PLAN, REFER TO DWG. A-104
11. CELLAR SLAB PLAN, REFER TO DWG. A-110
12. FIRST FLOOR SLAB PLAN, REFER TO DWG. A-111
13. SECOND FLOOR SLAB PLAN, REFER TO DWG. A-112
14. ROOF SLAB PLAN, REFER TO DWG. A-114
15. REFLECTED CEILING PLANS, SEE TO DWGS. A120-A122
16. BUILDING ELEVATIONS, REFER TO DWG. A-200
17. BUILDING SECTIONS, REFER TO DWG. A-300
18. EXTERIOR WALL SECTIONS, REFER TO DWG. A-310, A-311
19. FOUNDATION WATERPROOFING, REFER TO DWG. A-320
20. ENLARGED PLAN DETAILS, REFER TO DWG. A-340, A-341
21. ENLARGED STAIR PLANS, REFER TO A-400, A-401, A-402
22. ENLARGED ELEVATOR PLANS, REFER TO DWG. A-410
23. PARTITION TYPES, REFER TO DWG. A-500
24. DOOR SCHEDULE AND DETAILS, REFER TO DWG. A-600
25. STOREFRONT SCHEDULES, REFER TO DWG. A-601

5 PLAN LEGEND

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	CMU PARTITION
	CONCRETE PARTITION
	GYP. BD. PARTITION
	EXTERIOR PARTITION
	DOOR
1	KEY NOTE
	NOT IN CONTRACT (N.I.C.)
	ELECTRICAL PANEL
FE	FIRE EXTINGUISHER ON BRACKET
#	DOOR TYPE. SEE A-601
#	PARTITION TYPE. SEE A-500
SFXX	STORE FRONT / LOUVER , SEE A-601.00
	ALIGN

SBLM

Owner
Equity One

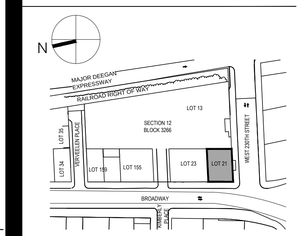
Telephone
Fax

Architect
SBLM Architects
545 West 45th Street, 4th Floor
New York, NY 10036
TeL: 212 995 5600
Fax 212 675 4228
www.sblm.com

Structural Engineering
e2 Engineers
311 State Street
New London, CT 06320
Tel: 860 437 3259
Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues



Seal

Project Title
LOT 21

BROADWAY PLAZA
5510 BROADWAY
BRONX, NY 10463

Drawing
CELLAR PLAN

Job Number **013160**

Seal & Signature

Drawn:	**TC**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.

A100.00

FOR NYC DOB USE

Sheet *Of*

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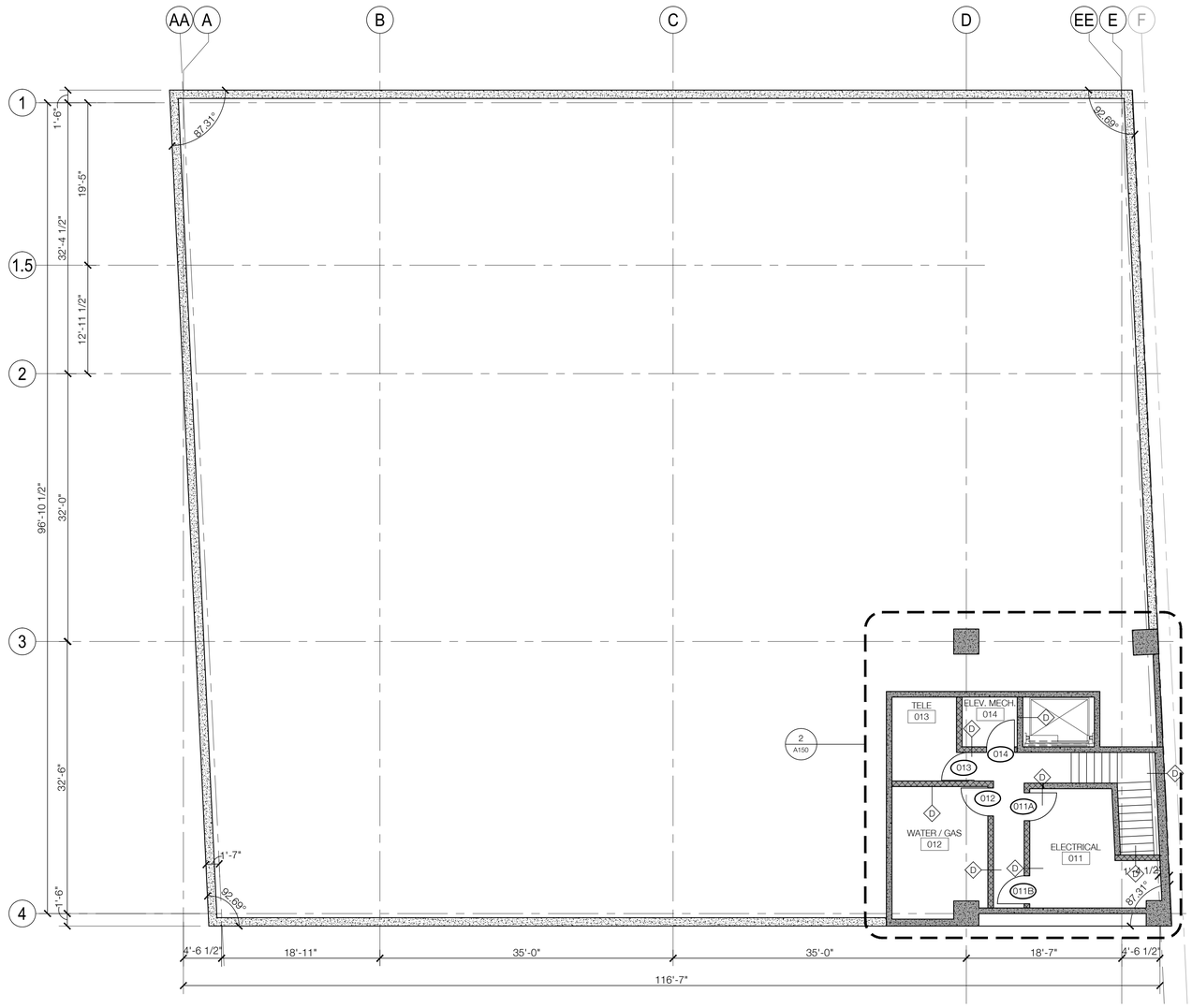
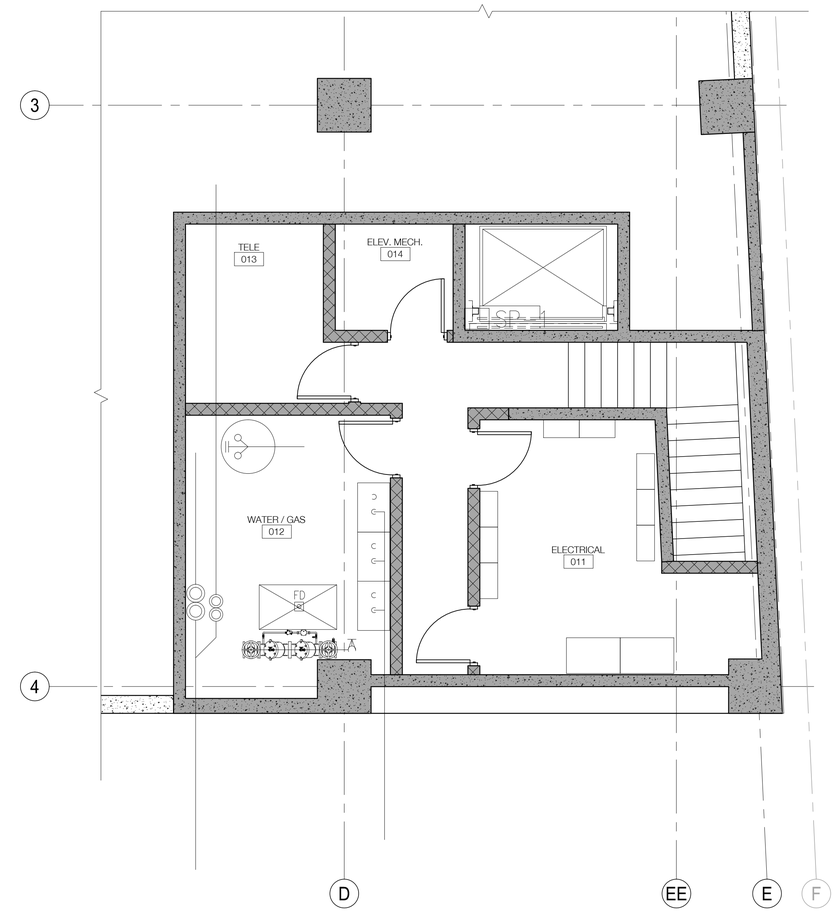


1 CELLAR PLAN

SCALE: 1/8" = 1'-0"



2 CELLAR DETAIL PLAN

SCALE: 1/4" = 1'-0"

3 PLAN KEYNOTES

SCALE: N.T.S.

1. ZONING ANALYSIS AND SIGNAGE, REFER TO DWG. Z-001 & Z-002
2. BUILDING CODE REQUIREMENTS, REFER TO DWG. A-001
3. ADA ACCESSIBILITY DATA, REFER TO DWG. A-002
4. CELLAR LIFE SAFETY PLAN, REFER TO DWG. A-003
5. FIRST FLOOR LIFE SAFETY PLAN, REFER TO DWG. A-004
6. ARCHITECTURAL SITE PLAN, REFER TO DWG. A-010
7. CELLAR FLOOR PLAN, REFER TO DWG. A-100
8. FIRST FLOOR PLAN, REFER TO DWG. A-101
9. SECOND FLOOR PLAN, REFER TO DWG. A-102
10. ROOF PLAN, REFER TO DWG. A-104
11. CELLAR SLAB PLAN, REFER TO DWG. A-110
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13. SECOND FLOOR SLAB PLAN, REFER TO DWG. A-112
14. ROOF SLAB PLAN, REFER TO DWG. A-114
15. REFLECTED CEILING PLANS, REFER TO DWGS. A-120, A-121, A-122
16. BUILDING ELEVATIONS, REFER TO DWG. A-200
17. BUILDING SECTIONS, REFER TO DWG. A-300
18. EXTERIOR WALL SECTIONS, REFER TO DWG. A-310, A-311
19. FOUNDATION WATERPROOFING, REFER TO DWG. A-320
20. ENLARGED PLAN DETAILS, REFER TO DWG. A-340, A-341
21. ENLARGED STAIR PLANS, REFER TO A-400, A-401, A-402
22. ENLARGED ELEVATOR PLANS, REFER TO DWG. A-410
23. PARTITION TYPES, REFER TO DWG. A-500
24. DOOR SCHEDULE AND DETAILS, REFER TO DWG. A-600
25. STOREFRONT SCHEDULES, REFER TO DWG. A-601

4 PLAN NOTES

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	CMU PARTITION
	CONCRETE PARTITION
	GYP. BD. PARTITION
	EXTERIOR PARTITION
	DOOR
1	KEY NOTE
	NOT IN CONTRACT (N.I.C.)
	ELECTRICAL PANEL
FE	FIRE EXTINGUISHER ON BRACKET
#	DOOR TYPE. SEE A-650
#	PARTITION TYPE. SEE A-550
SFXX	STORE FRONT / LOUVER , SEE A-651.00
	ALIGN

5 PLAN LEGEND

SCALE: N.T.S.

SBLM

Owner
Equity One

Telephone
Fax

Architect
SBLM Architects
545 West 45th Street, 4th Floor
New York, NY 10036
TeL: 212 995 5600
Fax 212 675 4228
www.sblm.com

Structural Engineering
e2 Engineers
311 State Street
New London, CT 06320
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Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
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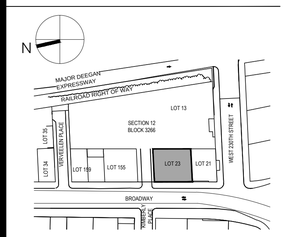
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues



Seal

Project Title
LOT 23

BROADWAY PLAZA
5530 BROADWAY
BRONX, NY 10463

Drawing
CELLAR PLAN

Job Number **013160**

Seal & Signature

Drawn:	**TC**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.
A150.00

FOR NYC DOB USE

Sheet *Of*

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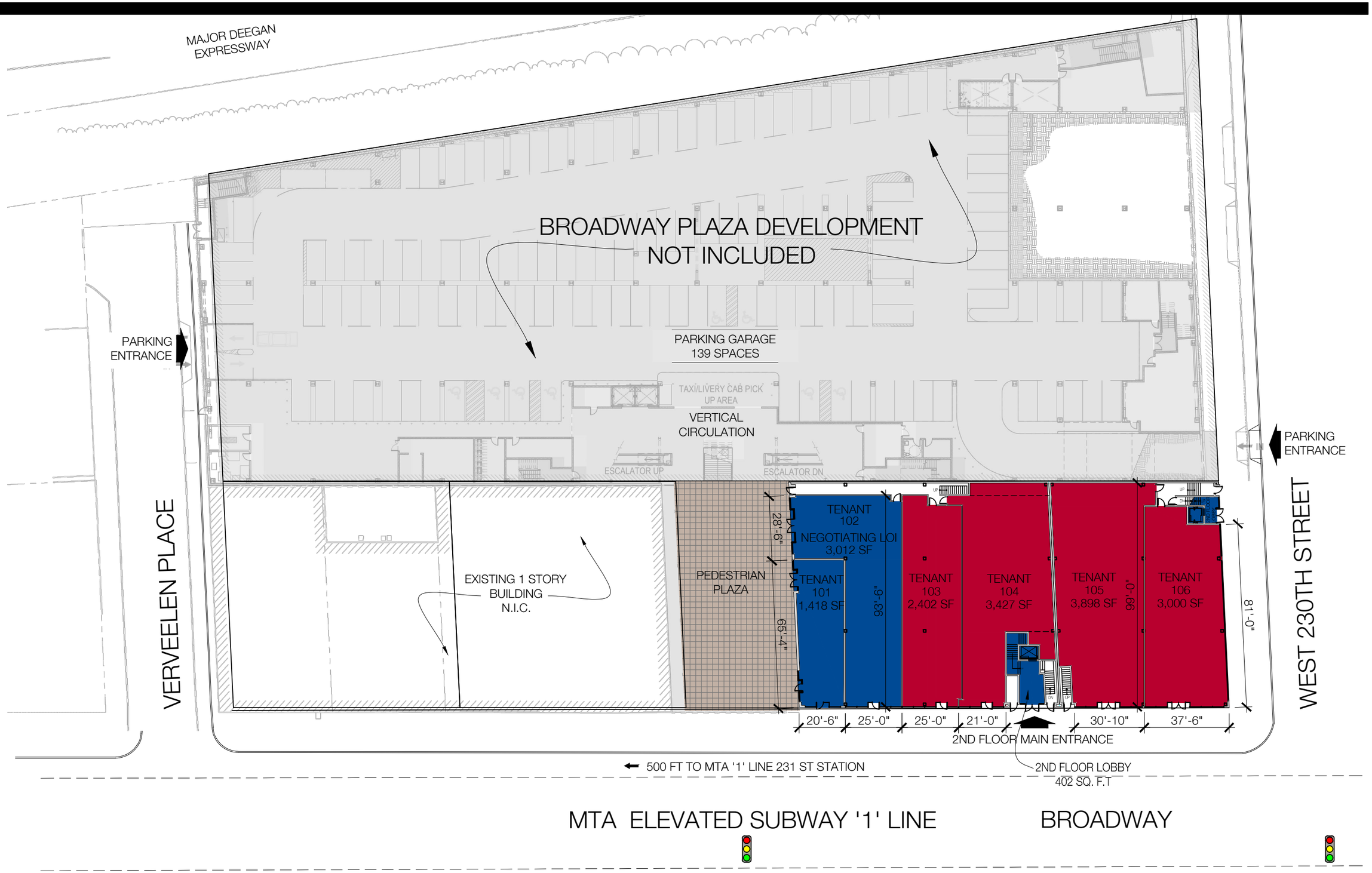


SBLM

Owner
EQUITY ONE
410 Park Ave #1220
New York, New York 10022
Telephone 212 796 1760

Architect
SBLM Architects
151 West 26th Street
New York, New York 10001
Telephone 212 995 5600
Fax 212 675 4228

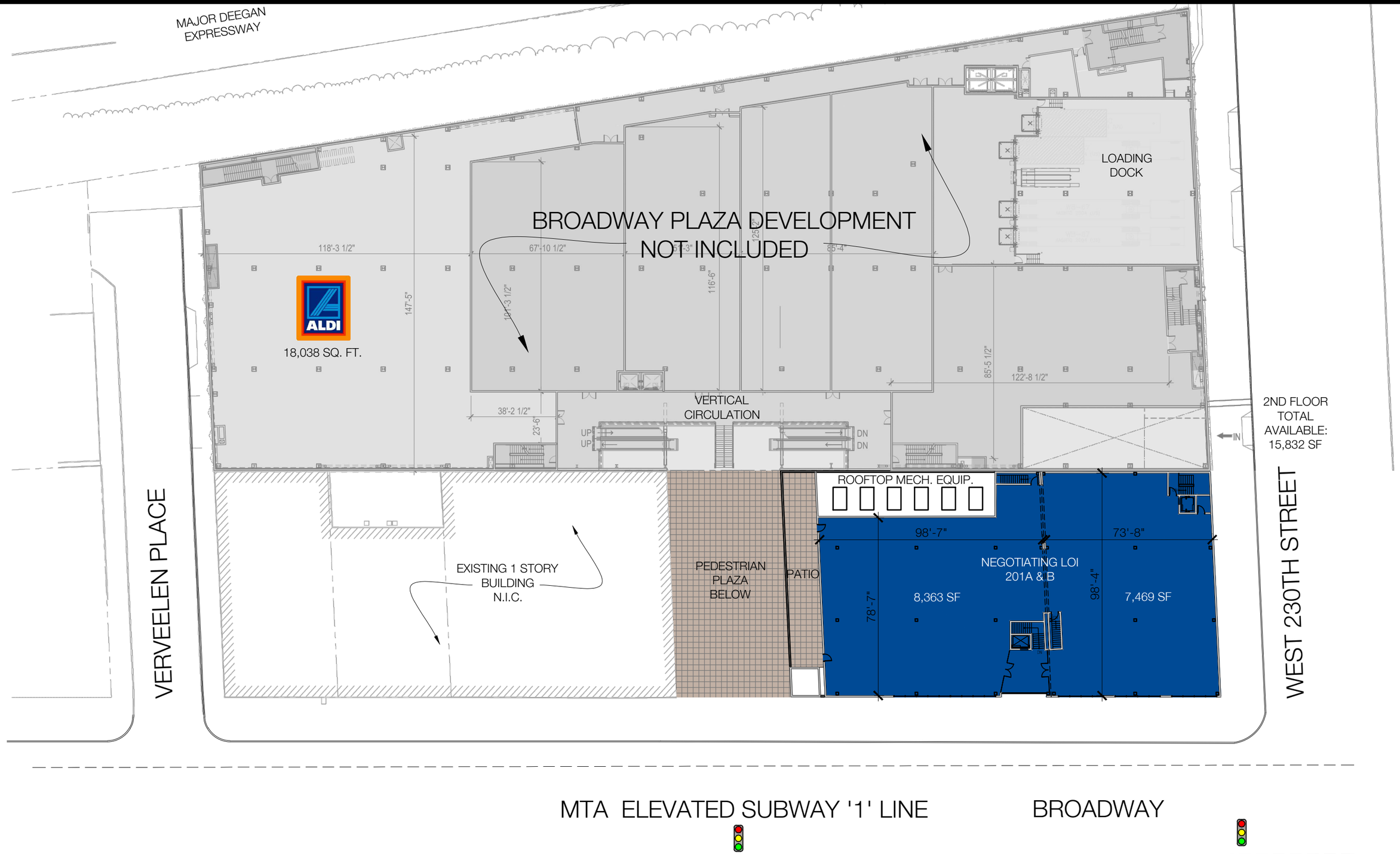
Project Title
5510-5530 Broadway
Bronx, New York

DATE
January 23, 2014

1ST FLOOR

0 20' 40' 80'

SCALE: 1" = 40'-0"



SBLM

Owner
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410 Park Ave #1220
New York, New York 10022
Telephone 212 796 1760

Architect
SBLM Architects
151 West 26th Street
New York, New York 10001
Telephone 212 995 5600
Fax 212 675 4228

Project Title
5510-5530 Broadway
Bronx, New York

DATE
January 23, 2014

2ND FLOOR

0 20' 40' 80'

SCALE: 1" = 40'-0"

APPENDIX F

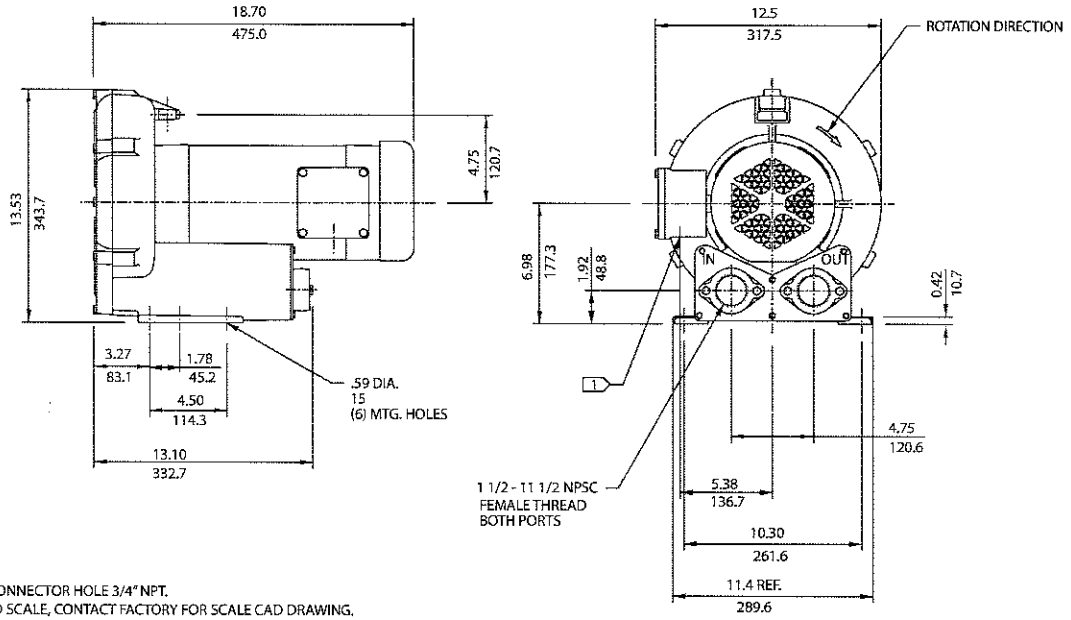
Specifications for Sub-Slab Depressurization System Blower

Environmental / Chemical Processing Blowers

ROTRON®

EN 454 & CP 454

1.5 HP Sealed Regenerative w/Explosion-Proof Motor



IN
MM

NOTES
1 TERMINAL BOX CONNECTOR HOLE 3/4" NPT.
2 DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
3 CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

		Part/Model Number			
		EN454W58ML	EN454W72ML	CP454W72MLR	CP454FR72MLR
Specification	Units	080487	080488	080490	080494
Motor Enclosure - Shaft Mtl.	-	1.5	1.5	1.5	1.5
Horsepower	-	Explosion-proof-CS	Explosion-proof-CS	Chem XP-CS	Chem XP-SS
Phase - Frequency	-	Single-60 hz	Three-60 hz	Three-60 hz	Three-60 hz
Voltage	AC	115/208-230	230/460	230/460	230/460
Motor Nameplate Amps	Amps (A)	15/7.9-7.5	4.6/2.3	4.5/2.3	4.6/2.3
Max. Blower Amps	Amps (A)	19/10.9-9.5	5.6/2.8	5.6/2.8	5.6/2.8
Inrush Amps	Amps (A)	96-48	32/16	32/16	32/16
Service Factor	-	1/0	00/00	00/00	00/00
Starter Size	-	1.0	1.0	1.0	1.0
Thermal Protection	-	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty	Class B - Pilot Duty
XP Motor Class - Group	-	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G
Shipping Weight	Lbs	90	84	84	84
	Kg	40.8	38.1	38.1	38.1

Voltage - ROTRON motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz.** Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz.** All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

Operating Temperatures - Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

Maximum Blower Amps - Corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

XP Motor Class - Group - See Explosive Atmosphere Classification Chart in Section I

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

AMETEK TECHNICAL & INDUSTRIAL PRODUCTS
75 North Street, Saugerties, NY 12477
USA: +1 215-256-6601 - Europe: +44 (0) 845 366 9664 - Asia: +86 21 5763 1258
Customer Service Fax: +1 215.256.1338
www.ametektip.com

AMETEK®
TECHNICAL & INDUSTRIAL PRODUCTS

Environmental / Chemical Processing Blowers

ROTRON®

EN 454 & CP 454

1.5 HP Sealed Regenerative w/Explosion-Proof Motor

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 120 SCFM
- Maximum pressure: 65 IWG
- Maximum vacuum: 59 IWG
- Standard motor: 1.5 HP, explosion-proof
- Cast aluminum blower housing, impeller , cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- Quiet operation within OSHA standards

MOTOR OPTIONS

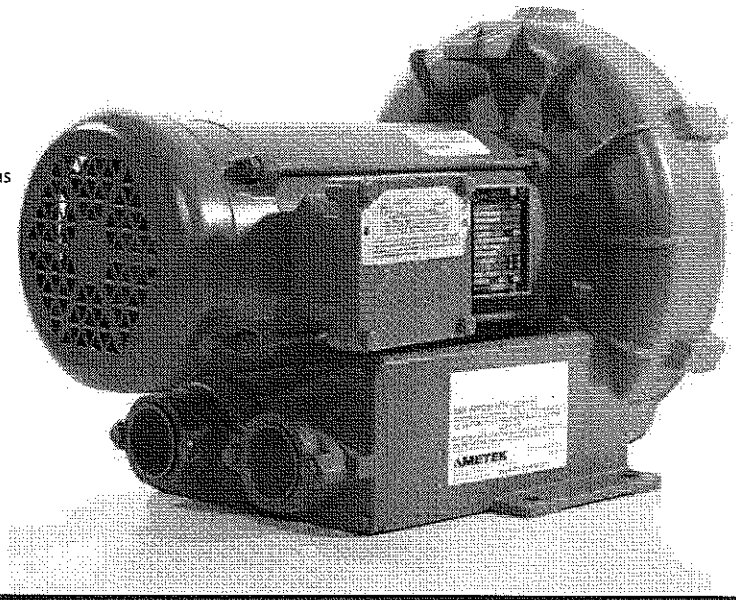
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

BLOWER OPTIONS

- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

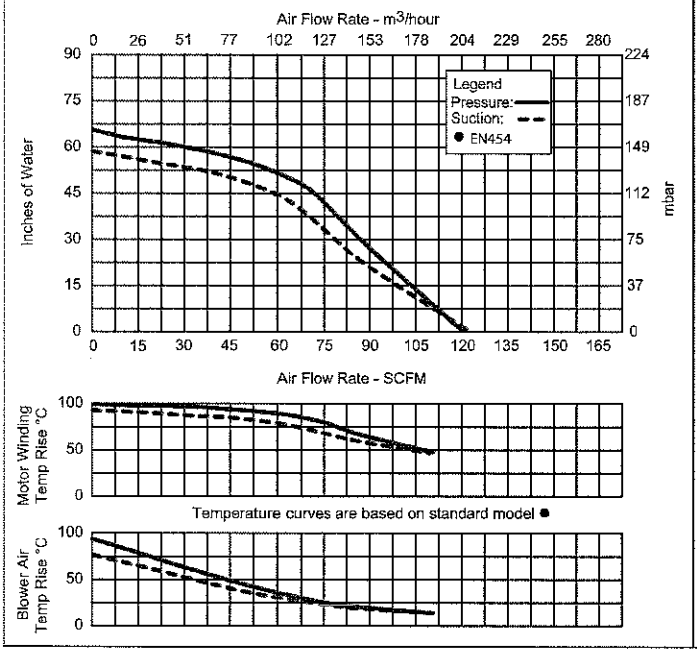
ACCESSORIES

- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

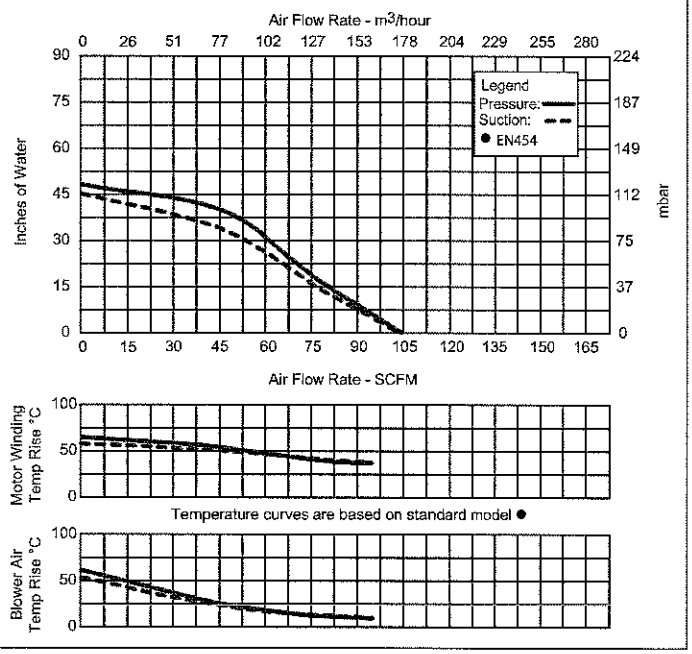


Blower Performance at Standard Conditions

60 Hz



50 Hz



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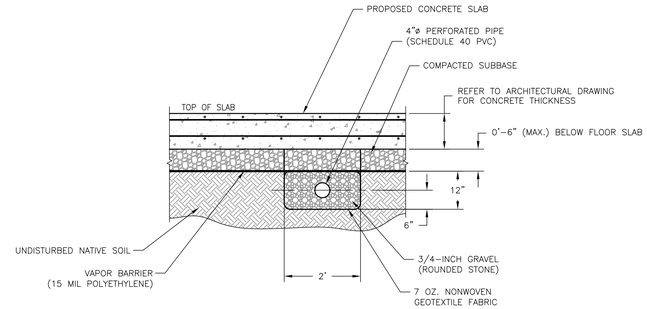
Customer Service Fax: +1 215.256.1338
www.ametektip.com

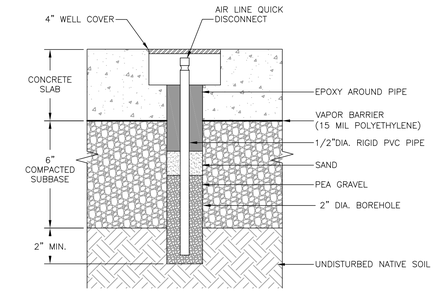
AMETEK®
TECHNICAL & INDUSTRIAL PRODUCTS

Sub-Slab Depressurization Systems



1 PROPOSED SUB-SLAB DEPRESSURIZATION SYSTEM PIPE DETAIL

NOT TO SCALE

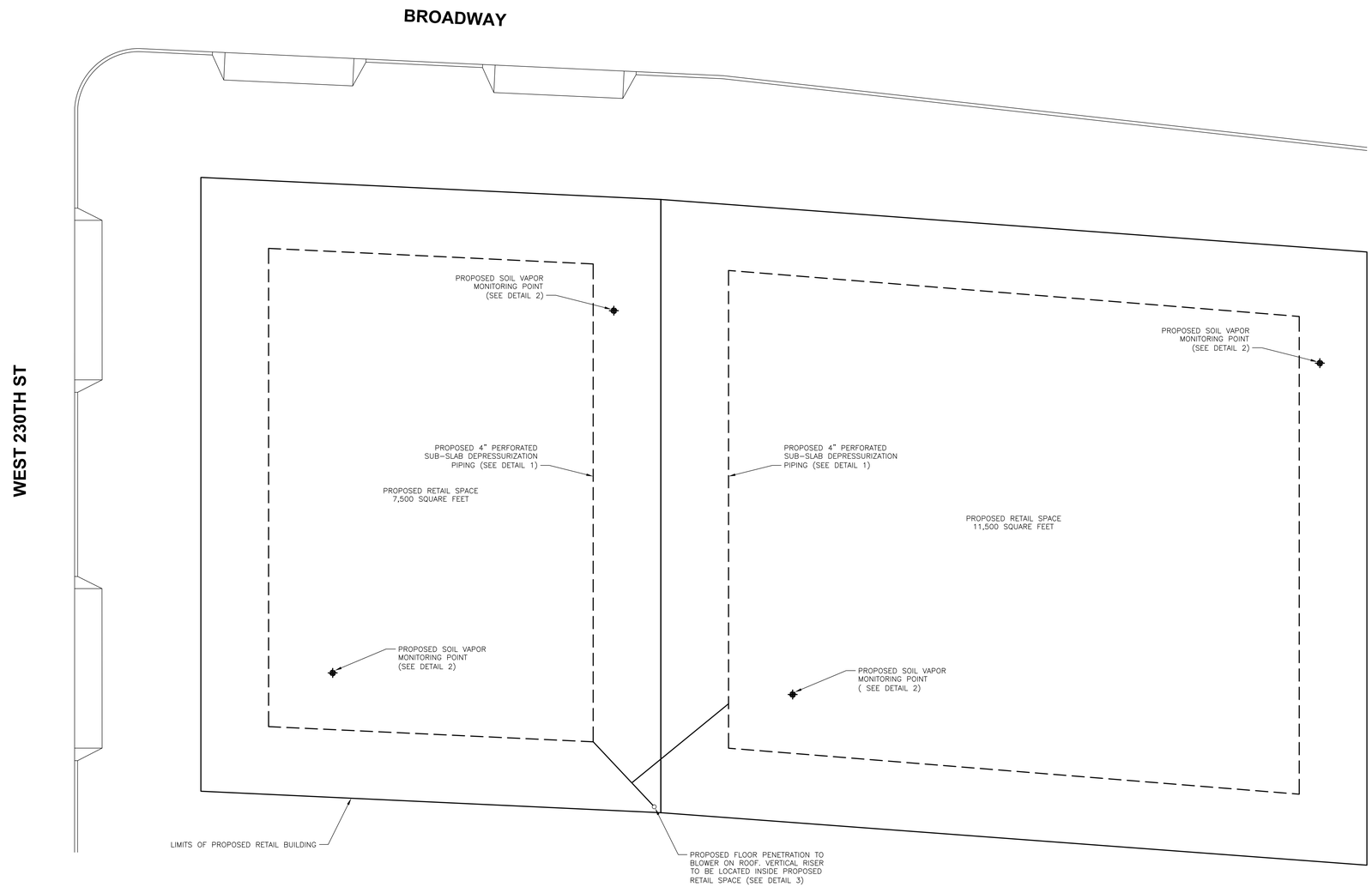


NOTE

DEPICTED LOCATIONS OF SOIL VAPOR MONITORING POINTS ARE APPROXIMATE AND SHALL BE COORDINATED AND CONFIRMED WITH EQUITY ONE AND ROUX ASSOCIATES PRIOR TO CONSTRUCTION.

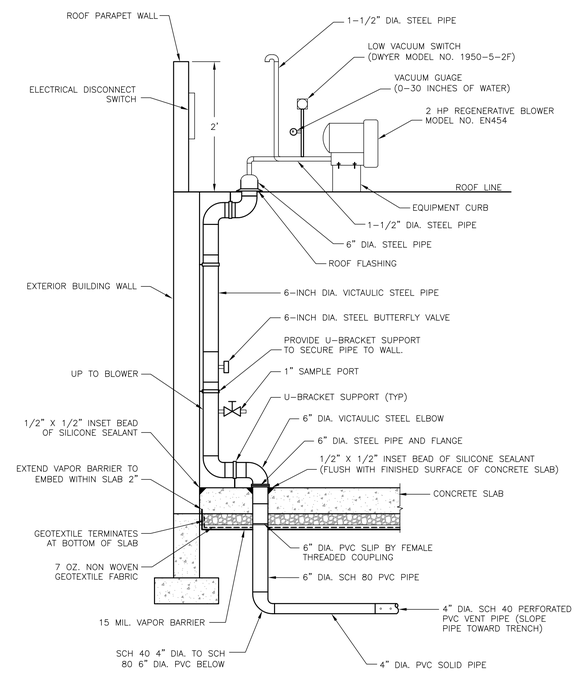
2 SOIL VAPOR MONITORING POINT DETAIL

SCALE: 1" = 4'



PROPOSED SUB-SLAB DEPRESSURIZATION SYSTEM PLAN

SCALE: 1"=10'



3 PROPOSED TYPICAL VERTICAL RISER TO BLOWER DETAIL

NOT TO SCALE

NOTES

1. ONE WARNING LIGHT TO BE LOCATED IN THE INTERIOR SPACE.
2. WARNING LIGHT WILL COME ON WHEN THERE IS NO POWER TO THE BLOWER OR A LOW VACUUM SITUATION OCCURS.

Title:

PROPOSED ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEMS

5530 BROADWAY
BRONX, NEW YORK
REMEDIAL ACTION WORK PLAN

Prepared For:

EQUITY ONE, INC.

Remedial	Compiled by: G.N.	Date: 04FEB14	PLATE
	Prepared by: J.A.D.	Scale: AS SHOWN	
REMEDIAL ENGINEERING, P.C.	Project Mgr: G.N.	Project: 1924.0005Y00	1
ENVIRONMENTAL ENGINEERS	File: 1924.0006Y104.04.DWG		

V:\CAD\PROJECTS\1924\0006Y\104\1924.0006Y104.04.DWG

APPENDIX B-4

5530 Broadway Stipulation Letter

ENVIRONMENTAL CONSULTING & MANAGEMENT
ROUX ASSOCIATES INC
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749 TEL 631-232-2600 FAX 631-232-9898

April 16, 2014

New York City Office of Environmental Remediation
City Voluntary Cleanup Program
100 Gold Street, 2nd Floor
New York, New York 10038

Attention: Mr. Shaminder Chawla

Re: **VCP: 14CVCP170X**
OER E# 14EHAZ324X
5530 Broadway
Remedial Action Work Plan (RAWP) Stipulation List

Dear Mr. Chawla:

Remedial Engineering Inc./Roux Associates, Inc. hereby submits a Remedial Action Work Plan (RAWP) Stipulation List for the Site to the New York City Office of Environmental Remediation (OER) on behalf of Equity One (Northeast Portfolio) Inc. This letter serves as an addendum to the RAWP to stipulate additional content, requirements, and procedures that will be followed during the Site remediation. The contents of this list are added to the RAWP and will supersede the content in the RAWP where there is a conflict in purpose or intent. The additional requirements/procedures include the following Stipulation List below:

1. The criterion attached in **Appendix 1** will be utilized if additional petroleum containing tank or vessel is identified during the remedial action or subsequent redevelopment excavation activities. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designed for heating oil tanks and other small or moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.

2. Complete project description is included here: The site will be combined with the adjacent property located at 5510 Broadway and a two -story slab-on-grade building will be constructed. The site consists of one lot, Block 3266, Lot 23, but the building will cover both Lot 23 and adjacent Lot 21 (5510 Broadway). The new building will have a 19,000 sq. ft. footprint and 35,000 gross sq.ft. on two stories. The building will cover the entire Site, and there will be no open space or landscaped areas. The overall building height will be up to 40 feet. A small cellar (approximately 35 X 35 X 13.5 feet deep) will house the building utilities in the southwestern corner of Lot 23. The ground-level and second story will be subdivided into multiple commercial/retail spaces.

3. An engineered composite site cover will be placed over the entire footprint of the Site. The composite cover system will be comprised of concrete foundation/slabs. Cross section of the composite site cover is provided as **Appendix 2**.

4. A pre-construction meeting is required prior to start of remedial excavation work at the site. A pre-construction meeting will be held at the Site and will be attended by OER, the developer or developer representative, the consultant, excavation/general contractor, and if applicable, the soil broker.

5. A pre-approval letter from all disposal facilities will be provided to OER prior to any soil/fill material removal from the site. Documentation specified in the RAWP - Appendix C - Section 1.6 "Materials Disposal Off-Site" will be provided to OER. If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.

6. A CD containing the final RAWP including this approved Stipulation List will be placed in the library that constitutes the primary public repository for project documents.

7. Signage for the project will include a sturdy placard mounted in a publically accessible right of way to building and other permits signage will consist of the NYC VCP Information Sheet (attached **Appendix 3**) announcing the remedial action. The Information sheet will be laminated and permanently affixed to the placard.

8. In the event that hazardous waste is identified during the remedial action or subsequent redevelopment excavation activities at this NYC VCP project, and removal and transportation of hazardous waste becomes necessary, the project may be subject to the New York State Department of Environmental Conservation's Special Assessment Tax (ECL 27-0923) and Hazardous Waste Regulatory Fees (ECL 72-00402). See DEC's website for more information: http://www.dec.ny.gov/chemical/9099.html.

9. For this Site of 11,500 square feet, collection and analysis of three (3) end-point samples from the bottom of the excavation will be collected to evaluate the performance of the remedy with respect to attainment of Track 2 Restricted Commercial SCOs. In addition, three hotspot excavations will be performed at locations SB-1, SB-3 and SB-9. These excavations will be approximately 10 X 10 X 15 feet deep. Two post excavation samples will be collected from each hotspot excavation (one sidewall sample and one bottom sample). A map indicating approximate end-point sampling locations is attached in **Appendix 4**. Samples will be analyzed for contaminants of concern [SVOCs and Metals].

10. OER requires parties seeking City Brownfield Incentive Grants to carry insurance. For a cleanup grant, both the excavator and the trucking firm(s) that handle removal of soil must carry or be covered under a commercial general liability (CGL) policy that provides $1 million per claim in coverage. OER recommends that excavators and truckers also carry contractor's pollution liability (CPL) coverage, also providing $1 million per claim

in coverage. The CGL policy, and the CPL policy if obtained, must name the City of New York, the NYC Economic Development Corporation, and Brownfield Redevelopment Solutions as additional insured. For an investigation grant, an environmental consultant must be a qualified vendor in the BIG program and carry $1 million of professional liability (PL) coverage. A fact sheet regarding insurance is attached as **Appendix 5**.

11. Daily report will be provided during active excavation work. If no work is performed for extended time period, daily report frequency will be reduced to weekly basis. Daily report template is attached in **Appendix 6.**

12. Development plans are attached in **Appendix 7**.

13. A [20]-mil vapor barrier will be installed beneath the structure's slab and along foundation sidewalls. The barrier chosen for this project is manufactured by Grace Construction Products, Florprufe®, model number 120. **Appendix 8** provides manufactures specifications and PE/RA certified building plans with the extent of the vapor barrier installation details (penetrations, joints, etc.) with respect to the proposed foundation, footings, etc.

14. Truck route is included in **Appendix 9.**

15. The signed RIR certification page and stamped/signed RAWP certification page is included in **Appendix 10.**

Sincerely,

ROUX ASSOCIATES, INC.

Craig A. Werle, P.G.
Principal Hydrogeologist

Charles McGuckin, P.E.
Principal Engineer/
President, Remedial Engineering, P.C.

cc: E. Ilijevich, NYCOER

APPENDIX 1

Generic Procedures for Management of Underground Storage Tanks Identified under the NYC VCP

Prior to Tank removal, the following procedures should be followed:

- Remove all fluid to its lowest draw-off point.
- Drain and flush piping into the tank.
- Vacuum out the "tank bottom" consisting of water product and sludge.
- Dig down to the top of the tank and expose the upper half.
- Remove the fill tube and disconnect the fill, gauge, product, vent lines and pumps. Cap and plug open ends of lines.
- Temporarily plug all tank openings, complete the excavation, remove the tank and place it in a secure location.
- Render the tank safe and check the tank atmosphere to ensure that petroleum vapors have been satisfactorily purged from the tank.
- Clean tank or remove to storage yard for cleaning.
- If the tank is to be moved, it must be transported by licensed waste transporter. Plug and cap all holes prior to transport leaving a 1/8 inch vent hole located at the top of the tank during transport.
- After cleaning, the tank must be made acceptable for disposal at a scrap yard, cleaning the tanks interior with a high pressure rinse and cutting the tank in several pieces.

During the tank and pipe line removal, the following field observations should be made and recorded:

- A description and photographic documentation of the tank and pipe line condition (pitting, holes, staining, leak points, evidence of repairs, etc.).
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with a calibrated photoionization detector (PID).

Impacted Soil Excavation Methods

The excavation of the impacted soil will be performed following the removal of the existing tanks. Soil excavation will be performed in accordance with the procedures described under Section 5.5 of Draft DER-10 as follows:

- A description and photographic documentation of the excavation.
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with calibrated photoionization detector (PID).

Final excavation depth, length, and width will be determined in the field, and will depend on the horizontal and vertical extent of contaminated soils as identified through physical examination (PID response, odor, staining, etc.). Collection of verification samples will be performed to evaluate the success of the removal action as specified in this document.

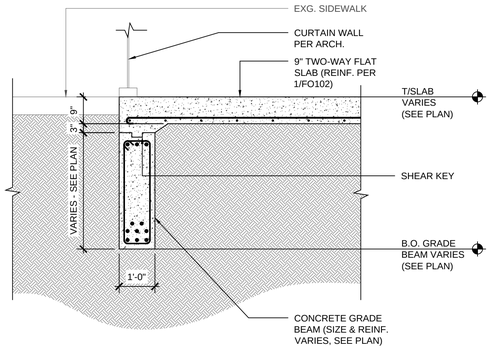
The following procedure will be used for the excavation of impacted soil (as necessary and appropriate):

- Wear appropriate health and safety equipment as outlined in the Health and Safety Plan.
- Prior to excavation, ensure that the area is clear of utility lines or other obstructions. Lay plastic sheeting on the ground next to the area to be excavated.
- Using a rubber-tired backhoe or track mounted excavator, remove overburden soils and stockpile, or dispose of, separate from the impacted soil.
- If additional UST's are discovered, the NYSDEC will be notified and the best course of action to remove the structure should be determined in the field. This may involve the continued trenching around the perimeter to minimize its disturbance.
- If physically contaminated soil is present (e.g., staining, odors, sheen, PID response, etc.) an attempt will be made to remove it, to the extent not limited by the site boundaries or the bedrock surface. If possible, physically impacted soil will be removed using the backhoe or excavator, segregated from clean soils and overburden, and staged on separated dedicated plastic sheeting or live loaded into trucks from the disposal facility. Removal of the impacted soils will continue until visibly clean material is encountered and monitoring instruments indicate that no contaminants are present.
- Excavated soils which are temporarily stockpiled on-site will be covered with tarp material while disposal options are determined. Tarp will be checked on a daily basis and replaced, repaired or adjusted as needed to provide full coverage. The sheeting will be shaped and secured in such a manner as to drain runoff and direct it toward the interior of the property.

Once the site representative and regulatory personnel are satisfied with the removal effort, verification of confirmatory samples will be collected from the excavation in accordance with DER-10.

APPENDIX 2

Cross-Section of the Composite Site Cover



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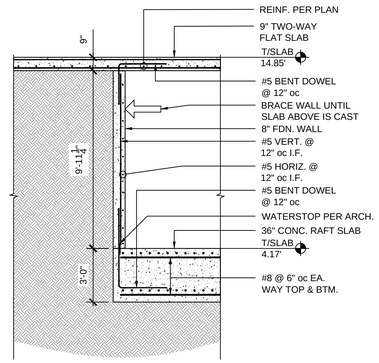

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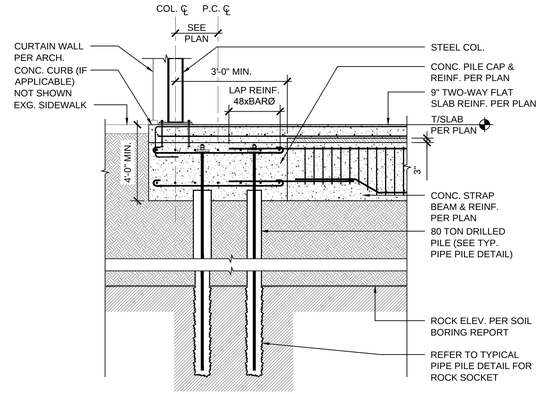

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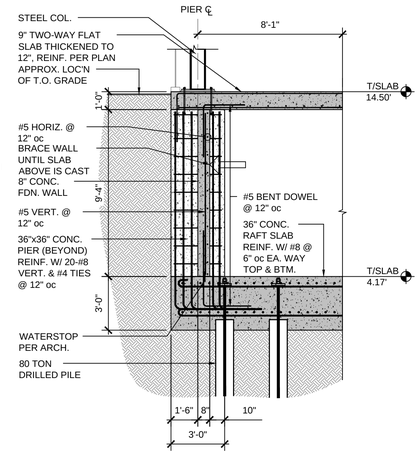

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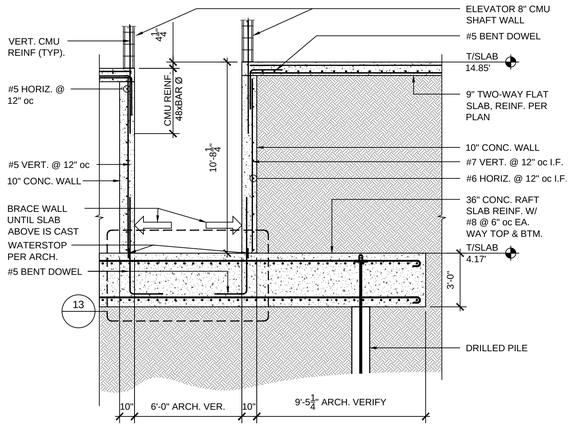

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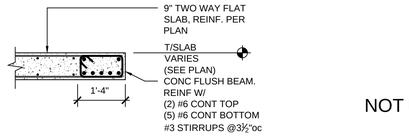

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NOT USED

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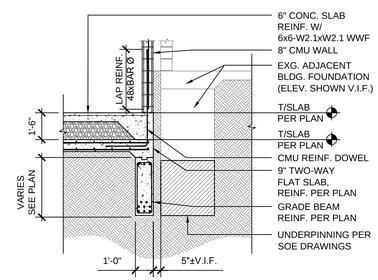

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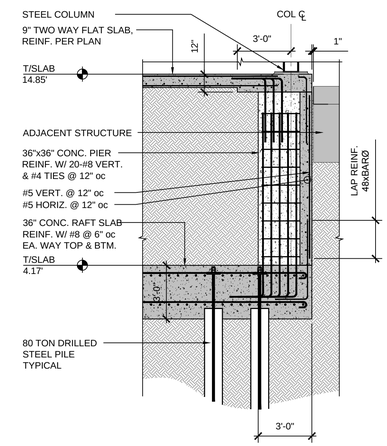

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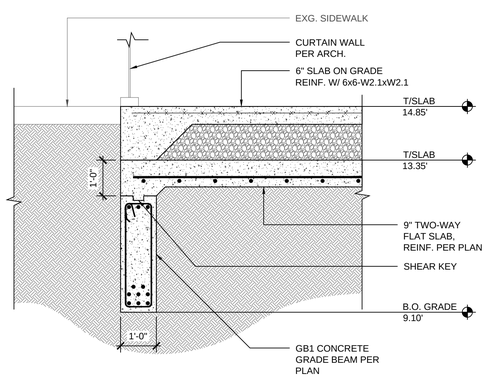

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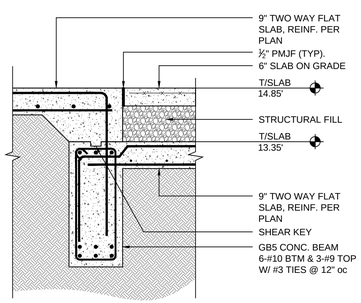

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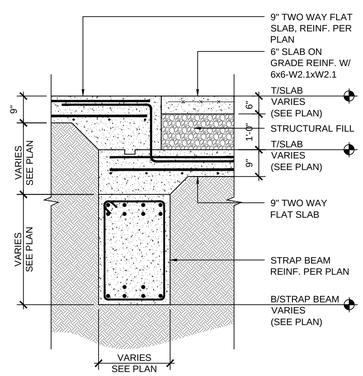

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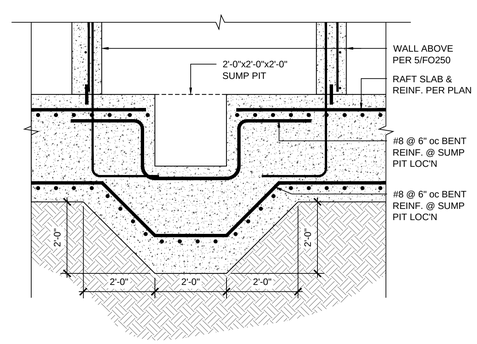


13 FO250 SUMP PIT DETAIL
SCALE : ½" = 1'-0"

SBLM

Owner
Equity One

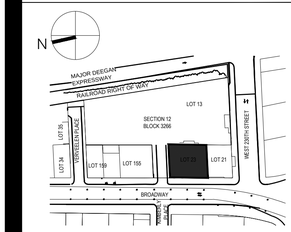
Telephone
Fax

Architect
SBLM **Architects**
545 West 45th Street, 4th Floor
New York, NY 10036
TeL: 212 995 5600
Fax 212 675 4228
www.sblm.com

Structural Engineering
e2 Engineers
239 R. Bank Street
New London, CT 06320
Tel: 860 437 3259
Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues
02/12/2014 ISSUED FOR FILING
03/26/2014 ISSUED FOR BID



Seal

Project Title
LOT 23

BROADWAY PLAZA
5520 BROADWAY
BRONX, NY 10463

Drawing
FOUNDATION DETAILS

Job Number **013160**

Seal & Signature

Drawn:	**JMA**
Checked:	**CHV**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.
FO250.00

FOR NYC-DOB USE

Sheet *Of*

Filename: O:\E2Jobs\2013_JOBS\13160 - Equity One Broadway\Structural\13160 - Equity One Broadway - E2 Struct - Foundation.dwg Plotted by: Chad Vogt Plot Time: 3/26/2014 2:16 PM

APPENDIX 3

NYC VCP Signage

NYC Voluntary Cleanup Program

5510 Broadway

Site #: 13CVCP105X

This property is enrolled in the New York City Voluntary Cleanup Program for environmental remediation. This is a voluntary program administered by the NYC Office of Environmental Remediation.

For more information, log on to: www.nyc.gov/oer

Or scan with smart phone:

If you have questions or would like more information,

please contact:

Shaminder Chawla at (212) 442-3007

or email us at brownfields@cityhall.nyc.gov

APPENDIX 4

End-Point Sampling Map

LEGEND

Boundary of Equity One Site

Approximate basement boundary

Proposed post-excavation soil boring sample location

Hot spot excavation area (Approximately 10'x10'x15' deep)

0 40'

APPROXIMATE

Title:

PROPOSED POST-EXCAVATION SAMPLE LOCATIONS

5510/5530 BROADWAY
BRONX, NEW YORK 10463

REMEDIAL ACTION WORK PLAN

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 20MAY14	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	A4
Project Mgr.: W.M.	Project No.: 1924.0006Y	
File: 1924.0006Y106.02.CDR		

\1924Y\0006Y\106\1924.0006Y106.02.CDR

APPENDIX 5

BIG Program Insurance Fact Sheet

FACT SHEET – BIG PROGRAM INSURANCE REQUIREMENTS

Investigation Grants – for a developer or site owner to be eligible for a BIG investigation grant, its environmental consultant(s) must be:

- a Qualified Vendor in the BIG Program; and
- maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

Cleanup Grants – for a developer or site owner to be eligible for a BIG cleanup grant:

- Its general contractor or excavation/foundation contractor hired to perform remedial work must maintain Commercial General Liability (CGL) insurance of at least $1M per occurrence and $2M in the general aggregate. It is recommended that the general contractor or excavation/foundation contractor also maintain a Contractors Pollution Liability policy (CPL) of at least $1M per occurrence.

- Its subcontractors who are hired by the general contractor etc. to perform remedial work at a site, including soil brokers and truckers, must also maintain a CGL policy in the amount and with the terms set forth above. It is recommended that subcontractors also maintain a CPL policy in the amount and with the terms set forth above.

  The CGL policy, and the CPL policy if in force, must list the city, EDC and BRS as additional insureds, include completed operations coverage and be primary and non-contributory to any other insurance the additional insureds may have.

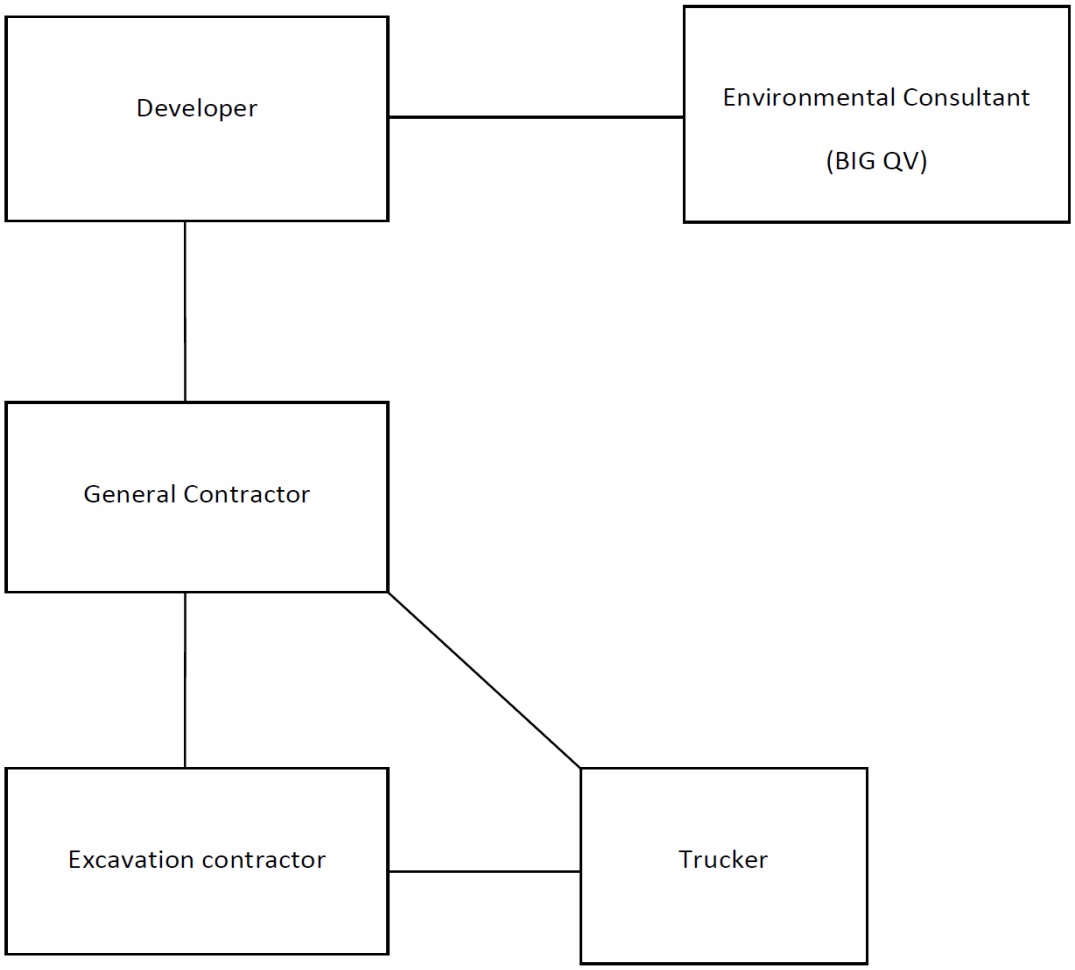
- Its environmental consultant(s) hired to oversee the cleanup must be:
  a. a BIG Qualifed Vendor; and
  b. maintain Professional Liability (PL) insurance of $1M per claim and annual aggregate.

If, in the alternative, the developer hires its environmental consultant to perform the cleanup, the environmental consultant must maintain CGL insurance in the amount and with the terms set forth above. It is recommended that the environmental consultant also maintain CPL coverage in the amount and with the terms set forth in the first two bulleted items listed above.

A schematic presenting the contractual relationships described above appears on page 2. Parties who must be named as Additional Insureds on Cleanup Grant insurance policies (CGL and CPL) are presented on page 3.

Example of Contractual Relationships for Cleanup Work

The Office of Environmental Remediation's Voluntary Cleanup Plan program requires applicants to identify the parties who are engaged in active remediation of their sites including: the General Contractor hired to remediate and/or the excavation contractor hired to excavate soil from the site and the trucking firm(s) that remove soil from the site for disposal at approved facilit(ies).



The chart above shows contractual relationships that typically exist for projects that are enrolled in the Voluntary Cleanup Program.

BIG Program Additional Insureds

The full names and addresses of the additional insureds required under the Required CGL Policy and recommended CPL Policy are as follows:

"City and its officials and employees"
New York City Mayor's Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

"NYC EDC and its officials and employees"
New York City Economic Development Corporation
110 William Street
New York, NY 10038

"BIG Grant Administrator and its officials and employees"
Brownfield Redevelopment Solutions, Inc.
739 Stokes Road, Units A & B
Medford, NJ 08055

APPENDIX 6

Daily Report Template

planYC

NYC Office of Environmental Remediation

Daily Status Report Template

Version 1.3

Generic Template for Daily Status Report

Instructions

The Daily Status Report submitted to OER should adhere to the following conventions:

- Remove this cover sheet prior to editing.
- Remove all the red text and replace with site-specific information.
- Submit the final version as a Word or PDF file.

Daily Status Reports

Daily status reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

DAILY STATUS REPORT

Prepared By: Enter Your Name Here

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	13CVCP105X	E-Number Project No.:	13EHAZ381X	Date:	01/01/2014
Project Name:	5510 Broadway				

Consultant: Person(s) Name and Company Name	Safety Officer: Person(s) Name and Company Name
General Contractor: Person(s) Name and Company Name	Site Manager/ Supervisor: Person(s) Name and Company Name

Work Activities Performed (Since Last Report):

Provide details about the work activities performed.

Working In Grid #: A1, B1, C1

Samples Collected (Since Last Report):

No samples collected or provide details

Air Monitoring (Since Last Report):

No air monitoring performed or provide details
Problems Encountered: No problems encountered or provide details
Planned Activities for the Next Day/ Week: Provide details about the work activities planned for the next day/ week.

Example:

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Name Location Type of Waste Solid *<u>Or</u>* Liquid		Facility # Name Location Type of Waste Solid *<u>Or</u>* Liquid		Facility # Name Location Type of Waste Solid *<u>Or</u>* Liquid		Facility # Name Location Type of Waste Solid *<u>Or</u>* Liquid		# # # # # # # Clean Earth Carteret, NJ petroleum soils Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds. *<u>Or</u>* Gallons	Trucks	Cu. Yds. *<u>Or</u>* Gallons	Trucks	Cu. Yds. *<u>Or</u>* Gallons	Trucks	Cu. Yds. *<u>Or</u>* Gallons	Trucks	Cu. Yds.

Today									5	120
Total									25	600

NYC Clean Soil Bank		Receiving Facility:				
Tracking No.:	13CCSB000	Name/ Address (Approved by OER)				
Today		Trucks 5	Cu. Yds. 25	Total	Trucks 120	Cu. Yds. 600

Site Grid Map

Insert the site grid map here

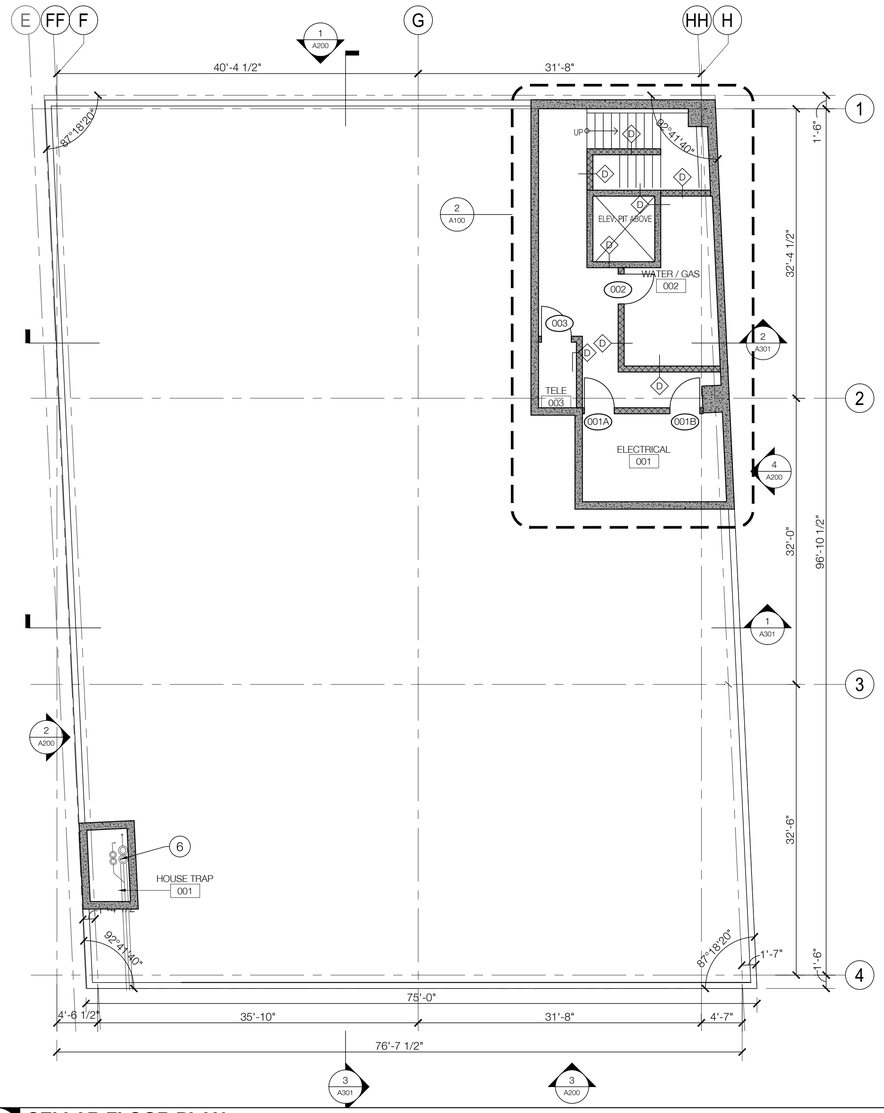
Photo Log

Photo 1 – provide a caption	Insert Photo Here – Photo of the entire site
Photo 2 – provide a caption	Insert Photo Here – Photo of the work activities performed

Photo 3 – provide a caption	Insert Photo Here – Photo of the work activities performed

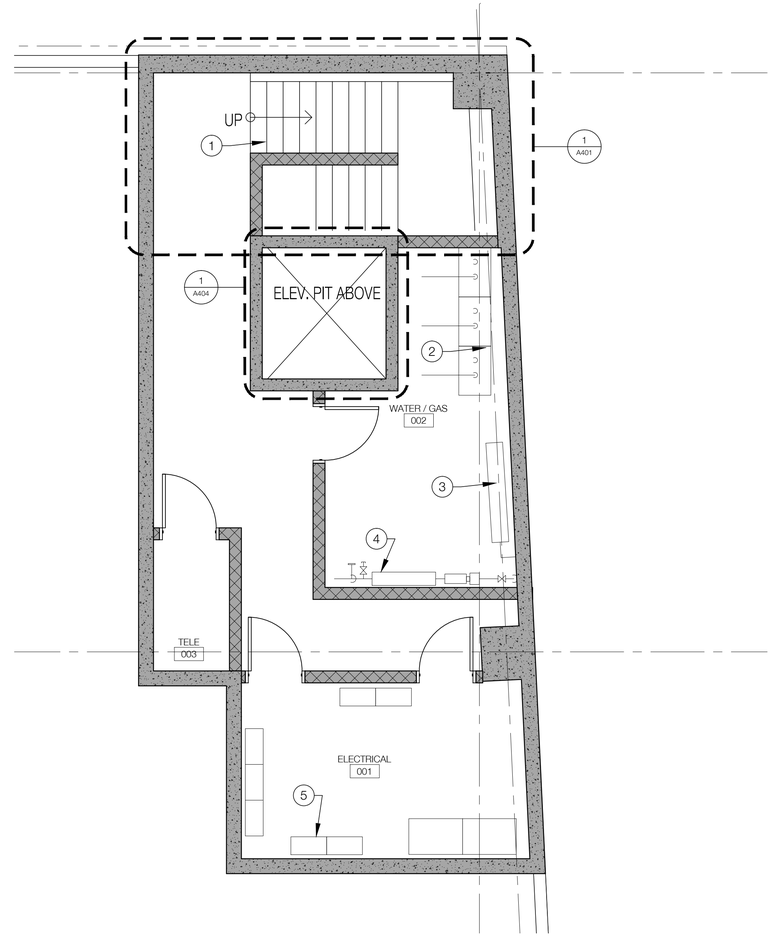
APPENDIX 7

Development Plans



1 CELLAR FLOOR PLAN

SCALE: 1/8" = 1'-0"



2 CELLAR FLOOR DETAIL PLAN

SCALE: 1/4" = 1'-0"

3 PLAN KEYNOTES

SCALE: N.T.S.

1. METAL PAN STAIR W/ CONCRETE TREADS
2. GAS METERS. SEE MEP.
3. DOMESTIC WATER VALVES. SEE MEP.
4. FIRE WATER VALVES. SEE MEP.
5. ELECTRICAL PANELS. SEE MEP.
6. COMBINED SEWER TRAP. SEE MEP.

3 KEYNOTES

SCALE: N.T.S.

4 PLAN NOTES

SCALE: N.T.S.

1. ZONING ANALYSIS, REFER TO DWG. Z-001 & Z-002
2. BUILDING CODE REQUIREMENTS, REFER TO DWG. A-001
3. ADA ACCESSIBILITY DATA, REFER TO DWG. A-002
4. CELLAR LIFE SAFETY PLAN, REFER TO DWG. A-003
5. FIRST FLOOR LIFE SAFETY PLAN, REFER TO DWG. A-004
6. ARCHITECTURAL SITE PLAN, REFER TO DWG. A-010
7. CELLAR FLOOR PLAN, REFER TO DWG. A-100
8. FIRST FLOOR PLAN, REFER TO DWG. A-101
9. SECOND FLOOR PLAN, REFER TO DWG. A-102
10. ROOF PLAN, REFER TO DWG. A-104
11. CELLAR SLAB PLAN, REFER TO DWG. A-110
12. FIRST FLOOR SLAB PLAN, REFER TO DWG. A-111
13. SECOND FLOOR SLAB PLAN, REFER TO DWG. A-112
14. ROOF SLAB PLAN, REFER TO DWG. A-114
15. REFLECTED CEILING PLANS, SEE TO DWGS. A120-A122
16. BUILDING ELEVATIONS, REFER TO DWG. A-200
17. BUILDING SECTIONS, REFER TO DWG. A-300
18. EXTERIOR WALL SECTIONS, REFER TO DWG. A-310, A-311
19. FOUNDATION WATERPROOFING, REFER TO DWG. A-320
20. ENLARGED PLAN DETAILS, REFER TO DWG. A-340, A-341
21. ENLARGED STAIR PLANS, REFER TO A-400, A-401, A-402
22. ENLARGED ELEVATOR PLANS, REFER TO DWG. A-410
23. PARTITION TYPES, REFER TO DWG. A-500
24. DOOR SCHEDULE AND DETAILS, REFER TO DWG. A-600
25. STOREFRONT SCHEDULES, REFER TO DWG. A-601

5 PLAN LEGEND

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	CMU PARTITION
	CONCRETE PARTITION
	GYP. BD. PARTITION
	EXTERIOR PARTITION
	DOOR
1	KEY NOTE
	NOT IN CONTRACT (N.I.C.)
	ELECTRICAL PANEL
FE	FIRE EXTINGUISHER ON BRACKET
#	DOOR TYPE. SEE A-601
#	PARTITION TYPE. SEE A-500
SFXX	STORE FRONT / LOUVER , SEE A-601.00
	ALIGN

SBLM

Owner
Equity One

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SBLM Architects
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Fax 212 675 4228
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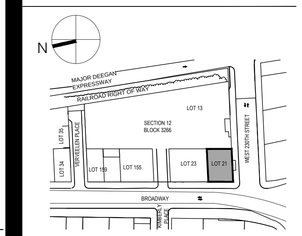
Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues



Seal

Project Title
LOT 21

BROADWAY PLAZA
5510 BROADWAY
BRONX, NY 10463

Drawing
CELLAR PLAN

Job Number **013160**

Seal & Signature

Drawn:	**TC**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.

A100.00

FOR NYC DOB USE

Sheet *Of*

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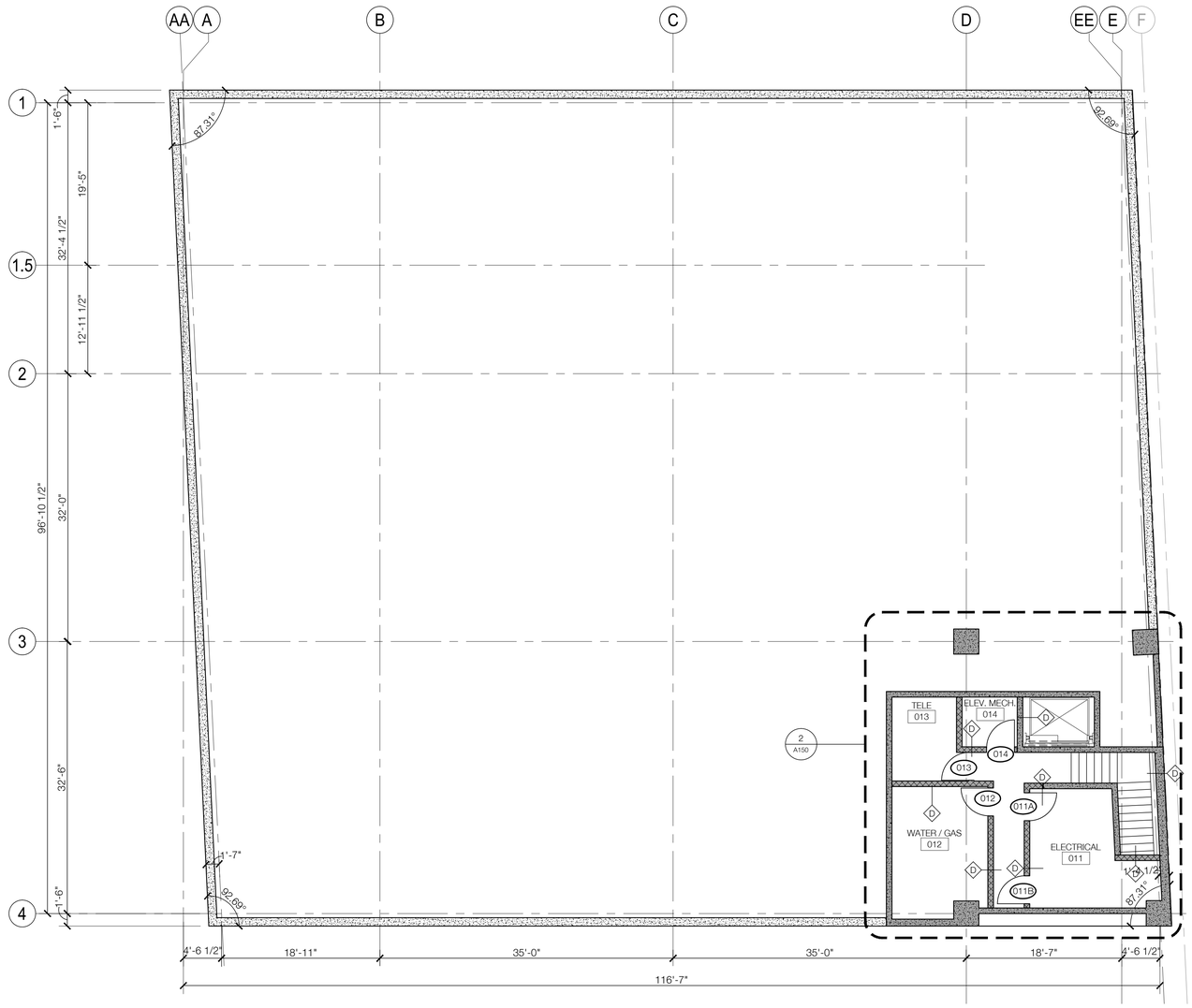
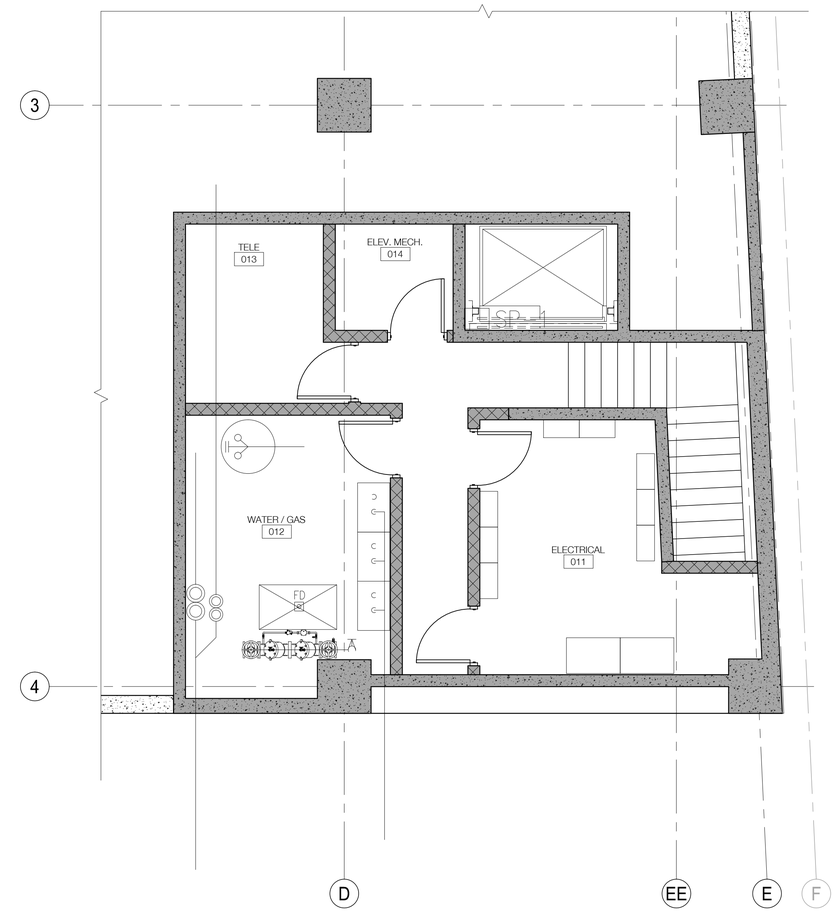


1 CELLAR PLAN

SCALE: 1/8" = 1'-0"



2 CELLAR DETAIL PLAN

SCALE: 1/4" = 1'-0"

3 PLAN KEYNOTES

SCALE: N.T.S.

1. ZONING ANALYSIS AND SIGNAGE, REFER TO DWG. Z-001 & Z-002
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15. REFLECTED CEILING PLANS, REFER TO DWGS. A-120, A-121, A-122
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23. PARTITION TYPES, REFER TO DWG. A-500
24. DOOR SCHEDULE AND DETAILS, REFER TO DWG. A-600
25. STOREFRONT SCHEDULES, REFER TO DWG. A-601

4 PLAN NOTES

SCALE: N.T.S.

SYMBOL	DESCRIPTION
	CMU PARTITION
	CONCRETE PARTITION
	GYP. BD. PARTITION
	EXTERIOR PARTITION
	DOOR
1	KEY NOTE
	NOT IN CONTRACT (N.I.C.)
	ELECTRICAL PANEL
FE	FIRE EXTINGUISHER ON BRACKET
#	DOOR TYPE. SEE A-650
#	PARTITION TYPE. SEE A-550
SFXX	STORE FRONT / LOUVER , SEE A-651.00
	ALIGN

5 PLAN LEGEND

SCALE: N.T.S.

SBLM

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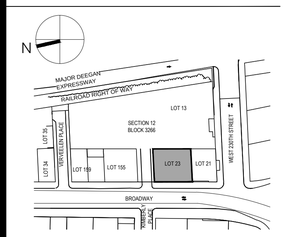

Seal

Project Title
LOT 23

BROADWAY PLAZA
5530 BROADWAY
BRONX, NY 10463

Drawing
CELLAR PLAN

Job Number **013160**

Seal & Signature

Drawn:	**TC**
Checked:	**FG**
Scale:	**AS NOTED**
Drawing Date:	**12/12/13**

Drawing No.
A150.00

FOR NYC DOB USE

Sheet *Of*

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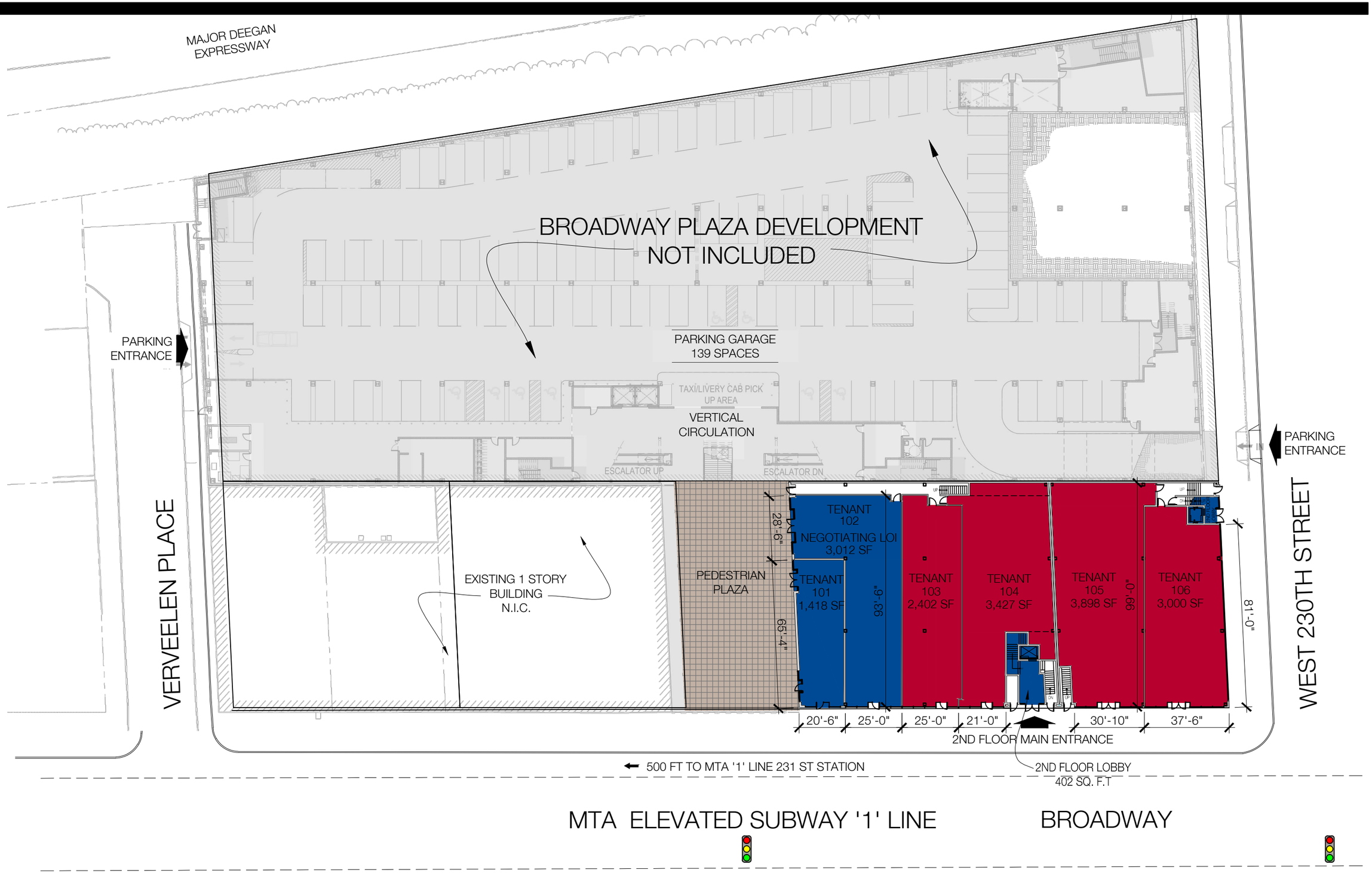

SBLM

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Architect
SBLM Architects
151 West 26th Street
New York, New York 10001
Telephone 212 995 5600
Fax 212 675 4228

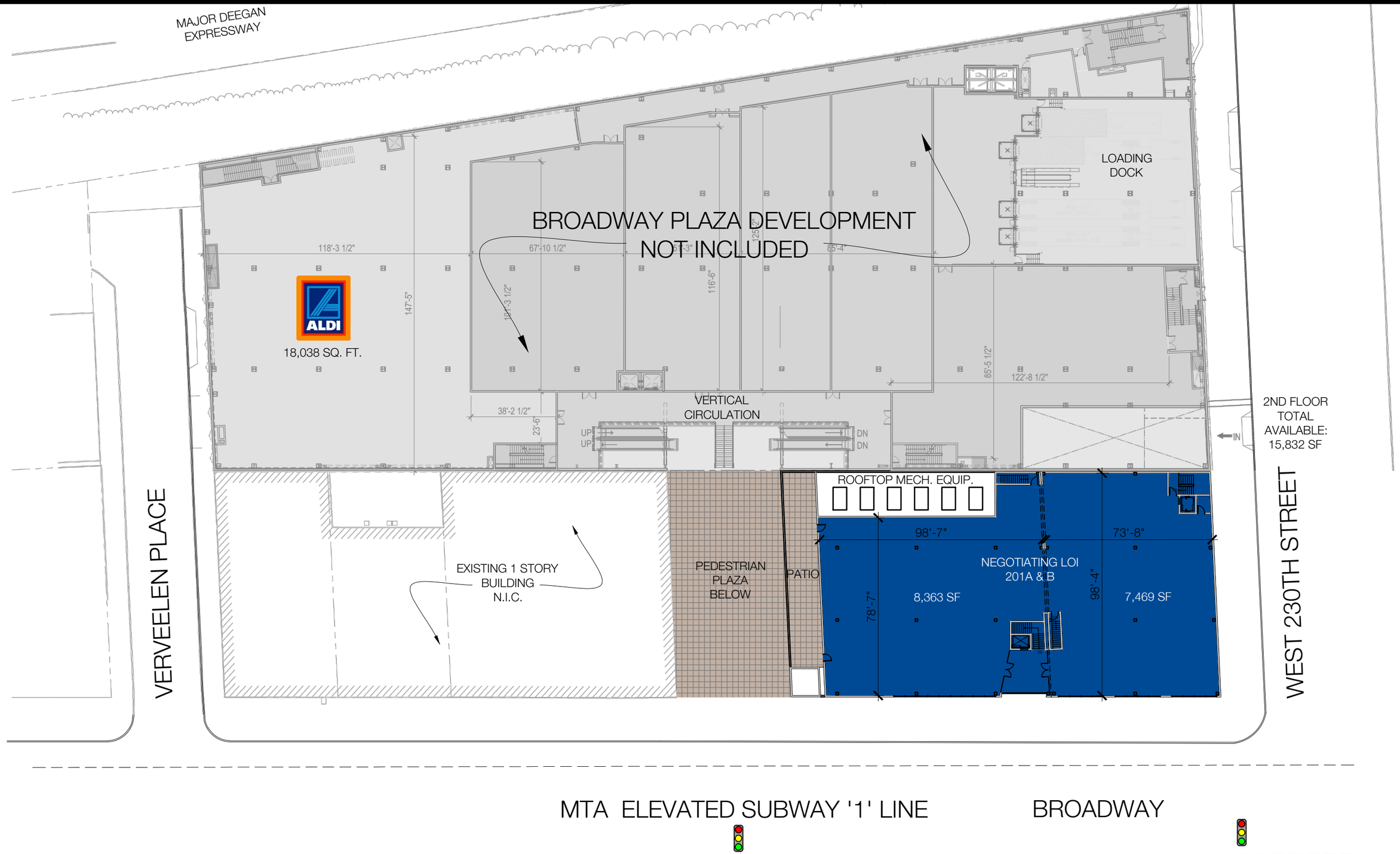
Project Title
5510-5530 Broadway
Bronx, New York

DATE
January 23, 2014

1ST FLOOR

0 20' 40' 80'

SCALE: 1" = 40'-0"



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SBLM Architects
151 West 26th Street
New York, New York 10001
Telephone 212 995 5600
Fax 212 675 4228

Project Title
5510-5530 Broadway
Bronx, New York

DATE
January 23, 2014

2ND FLOOR

0 20' 40' 80'

SCALE: 1" = 40'-0"

APPENDIX 8

Vapor Barrier Specifications

web www.graceconstruction.com
■PRODUCT DATA ■UPDATES ■TECH LETTERS ■DETAILS ■MSDS ■CONTACTS ■FAQS

Florprufe™ 120

Integrally bonded vapor protection for slabs on grade

Description

Florprufe™ 120 is a high performance vapor barrier with Grace's Advanced Bond Technology™ that forms a unique seal to the underside of concrete floor slabs.

Comprising a highly durable polyolefin sheet and a specially developed, non-tacky adhesive coating, Florprufe 120 seals to liquid concrete to provide integrally bonded vapor protection.

Florprufe exceeds ASTM E1745 Class A rating.

Advantages

- Forms a powerful integral seal to the underside of concrete slabs
- Protects valuable floor finishes such as wood, tiles, carpet and resilient flooring from damage by vapor transmission
- Direct contact with the slab complies with the latest industry recommendations
- Remains sealed to the slab even in cases of ground settlement
- Ultra low vapor permeability
- Durable, chemical resistant polyolefin sheet
- Lightweight, easy to apply, kick out rolls
- Simple lap forming with mechanical fixings or tape

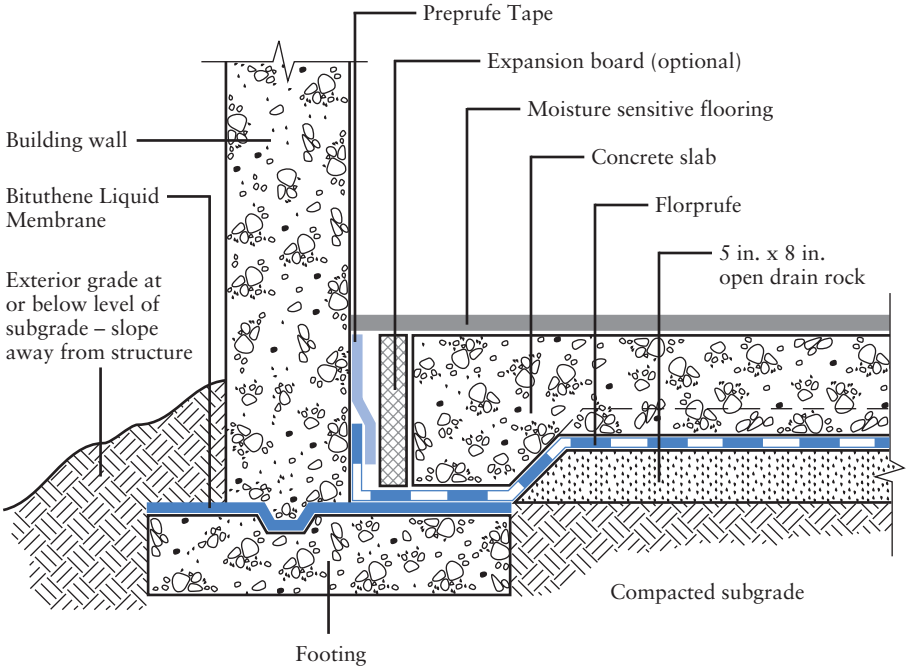
Use

Florprufe 120 is engineered for use below slabs on grade with moisture-impermeable or moisture-sensitive floor finishes that require the highest level of vapor protection.

Florprufe complies with the latest recommendations of ACI Committees 302 and 360, i.e. for slabs with vapor sensitive coverings, the location of the vapor barrier should always be in direct contact with the slab[1].

The membrane is loose laid onto the prepared sub-base, forming overlaps that can be either mechanically secured or taped. The unique bond of Florprufe to concrete provides continuity of vapor protection at laps. Alternatively, if a taped system is preferred, self-adhered Preprufe® Tape can be used to overband the laps.

Slab reinforcement and concrete can be placed immediately. Once the concrete is poured, an integral bond develops between the concrete and membrane.



Typical Assembly

[1] ACI 302.1R-96 Addendum

GRACE Construction Products

Supply

Florprufe 120

Supplied in rolls	1.2 m x 35 m (4 ft x 115 ft)
Roll area	42 m^2 (460 ft^2)
Roll weight	37 kg (81 lbs) approx.

Ancillary Products

Preprufe Tape is packaged in cartons containing 4 rolls that are 100 mm x 15 m (4 in. x 49 ft).
Bituthene Liquid Membrane is supplied in 5.7 L (1.5 gal) pails.

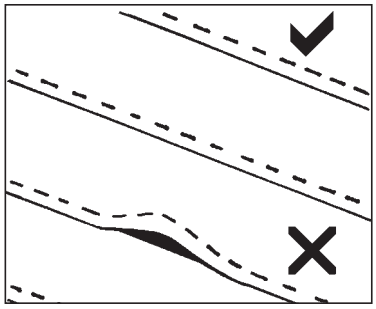


Figure 1

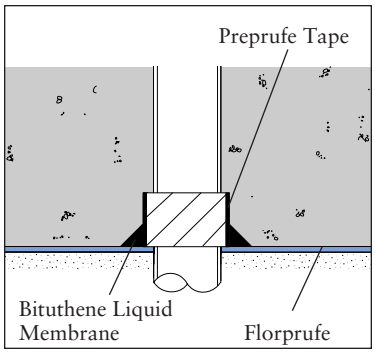


Figure 2

Physical Properties: Exceeds ASTM E1745 Class A rating

Property	Typical Value	Test Method
Color	White	
Thickness (nominal)	0.5 mm (0.021 in.)	ASTM D3767 – Method A
Water Vapor Permeance	0.03 perms	ASTM E96 – Method B[1]
Tensile Strength	68 lbs/in.	ASTM E154[1]
Elongation	300%	ASTM D412
Puncture Resistance	3300 gms	ASTM D1709[1]
Peel Adhesion to Concrete	>4 lbs/in.	ASTM D903

1. Test methods that comprise ASTM E1745 standard for vapor retarders

Installation

Health & Safety

Refer to relevant Material Safety Data Sheet. Complete rolls should be handled by 2 persons.

Florprufe 120 can be applied at temperatures of -4°C (25°F) or above. Membrane installation is unaffected by wet weather. Installation and detailing of Florprufe 120 are generally in accordance with ASTM E1643-98.

Prepare substrate in accordance with ACI 302.1R Section 4.1. Install Florprufe 120 over the leveled and compacted base. Place the membrane with the smooth side down and the plastic liner side up facing towards the concrete slab. Remove and discard plastic liner. End laps should be staggered to avoid a build up of layers.

Succeeding sheets should be accurately positioned to overlap the previous sheet 50 mm (2 in.) along the marked lap line.

Laps

1. **Mechanical fastening method –** To prevent the membrane from moving and gaps opening, the laps should be fastened together at 1.0 m (39 in.) maximum centers. Fix through the center of the lap area using 12 mm (0.5 in.) long washer-head, self-tapping, galvanized screws (or similar) and allowing the head of the screw to bed into the adhesive compound to self-seal. It is not necessary to fix the membrane to the substrate, only to itself. **Ensure the membrane lays flat and no openings occur.** (See Figure 1.) Additional fastening may be required at corners, details, etc. Continuity is achieved once the slab is poured and the bond to concrete develops.

   OR

2. **Taped lap method –** For additional security use Grace Preprufe Tape to secure and seal the overlaps. Overband the lap with the 100 mm (4 in.) wide Preprufe Tape, using the lap line for alignment. Remove plastic release liner to ensure bond to concrete.

Penetrations

Mix and apply Bituthene Liquid Membrane detailing compound to seal around penetrations such as drainage pipes, etc. (See Figure 2 and refer to the Bituthene Liquid Membrane data sheet, BIT-230.)

Concrete Placement

Place concrete within 30 days. Inspect membrane and repair any damage with patches of Preprufe Tape. Ensure all liner is removed from membrane and tape before concreting.

For Technical Assistance call toll free at 866-333-3SBM (3726).

Visit our web site at www.graceconstruction.com

printed on recycled paper

W. R. Grace & Co.-Conn. 62 Whittemore Avenue Cambridge, MA 02140

Florprufe is a trademark and Preprufe is a registered trademark of W. R. Grace & Co.-Conn.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations or suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co.-Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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GRACE Construction Products

VAPORBLOCK® PLUS™ VBP20

Under-Slab Vapor / Gas Barrier

RAVEN INDUSTRIES

Product Description

VaporBlock® Plus™ 20 is a seven-layer co-extruded barrier made from state-of-the-art polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission. VaporBlock® Plus™ 20 is a highly resilient underslab / vertical wall barrier designed to restrict naturally occurring gases such as radon and/or methane from migrating through the ground and concrete slab. VaporBlock® Plus™ 20 is more than 100 times less permeable than typical high-performance polyethylene vapor retarders against Methane, Radon and other harmful VOCs.

VaporBlock® Plus™ 20 is one of the most effective underslab gas barriers in the building industry today far exceeding ASTM E-1745 (Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs) Class A, B and C requirements. Available in a 20 (Class A) mil thicknesses designed to meet the most stringent requirements. VaporBlock® Plus™ 20 is produced within the strict guidelines of our ISO 9001:2008 Certified Management System.

Product Use

VaporBlock® Plus™ 20 resists gas and moisture migration into the building envelop when properly installed to provide protection from toxic/harmful chemicals. It can be installed as part of a passive or active control system extending across the entire building including floors, walls and crawl spaces. When installed as a passive system it is recommended to also include a ventilated system with sump(s) that could be converted to an active control system with properly designed ventilation fans.

VaporBlock® Plus™ 20 works to protect your flooring and other moisture-sensitive furnishings in the building's interior from moisture and water vapor migration, greatly reducing condensation, mold and degradation.

Size & Packaging

VaporBlock® Plus™ 20 is available in 10' x 150' rolls to maximize coverage. All rolls are folded on heavy-duty cores for ease in handling and installation. Other custom sizes with factory welded seams are available based on minimum volume requirements. Installation instructions and ASTM E-1745 classifications accompany each roll.

Under-Slab Vapor/Gas Retarder

Product	Part #
VaporBlock Plus 20	VBP 20

APPLICATIONS

- Radon Barrier
- Methane Barrier
- VOC Barrier
- Under-Slab Vapor Retarder
- Foundation Wall Vapor Retarder

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

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VAPORBLOCK® PLUS™ VBP20

Under-Slab Vapor / Gas Barrier

ISO 9001:2008
CERTIFIED MANAGEMENT SYSTEM

		VAPORBLOCK PLUS 20	
PROPERTIES	**TEST METHOD**	**IMPERIAL**	**METRIC**
APPEARANCE		White/Gold	
THICKNESS, NOMINAL		20 mil	0.51 mm
WEIGHT		102 lbs/MSF	498 g/m²
CLASSIFICATION	ASTM E 1745	CLASS A, B & C	
TENSILE STRENGTH LBF/IN (N/CM) AVERAGE MD & TD (NEW MATERIAL)	ASTM E 154 Section 9 (D-882)	58 lbf	102 N
IMPACT RESISTANCE	ASTM D 1709	2600 g	
MAXIMUM USE TEMPERATURE		180° F	82° C
MINIMUM USE TEMPERATURE		-70° F	-57° C
PERMEANCE (NEW MATERIAL)	ASTM E 154 Section 7 ASTM E 96 Procedure B	0.0098 Perms grains/(ft²·hr·in·Hg)	0.0064 Perms g/(24hr·m²·mm Hg)
(AFTER CONDITIONING) PERMS (SAME MEASUREMENT AS ABOVE PERMEANCE)	ASTM E 154 Section 8, E96 Section 11, E96 Section 12, E96 Section 13, E96	0.0079 0.0079 0.0097 0.0113	0.0052 0.0052 0.0064 0.0074
WVTR	ASTM E 96 Procedure B	0.0040 grains/hr-ft²	0.0028 gm/hr-m²
RADON DIFFUSION COEFFIECIENT	K124/02/95	< 1.1 x 10^{-13} m²/s	
METHANE PERMEANCE	ASTM D 1434	< 1.7 x 10^{-10} m²/d• atm 0.32 GTR (Gas Transmission Rate) ml/m²•D•ATM	

VaporBlock® Plus™ Placement

All instructions on architectural or structural drawings should be reviewed and followed.
Detailed installation instructions accompany each roll of VaporBlock® Plus™ and can also be located on our website.
ASTM E-1643 also provides general installation information for vapor retarders.

VaporBlock® Plus™
UNDERSLAB VAPOR RETARDER / GAS BARRIER

VaporBlock® Plus™ is a seven-layer co-extruded barrier made using high quality virgin-grade polyethylene and EVOH resins to provide unmatched impact strength as well as superior resistance to gas and moisture transmission.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com

RAVEN INDUSTRIES

Engineered Films Division
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1/11 EFD 1125

Scan QR Code to download current technical data sheets via the Raven website.

Engineered Films

RAVEN INDUSTRIES

Welcome to the Engineered Films Division of Raven Industries

Over the past 55 years, Raven Industries has established a well-known reputation for manufacturing and supplying high performance flexible films and sheeting to major markets throughout the United States and abroad. Our modern 300,000 square foot facility contains state-of-the-art equipment including blown and cast film and sheeting, lamination and conversion capabilities in addition to a large accredited laboratory and development facility.

You can draw on our years of experience gained from producing millions of pounds of polyolefins each year. Extensive engineering and R&D efforts are focused on custom solutions to meet your requirements through design and development within our new Technical Solutions Center. Our manufacturing ability is what sets us apart from the competition by offering some of the most diversified capabilities in the industry as well as our high standards for one-on-one customer service. We believe by thoroughly listening to our customers we can develop a solution that does precisely what they require. Our products are produced in a quality controlled environment under an ISO 9001:2008 certified management system to assure we achieve complete customer satisfaction and continuous improvement in all phases of our business.

We have a broad range of proven products from ultra-thin precise films to heavy fiber reinforced film and sheeting. Whether you need high quality packaging film, barrier film and sheeting, high-strength construction films or just a highly puncture-resistant geomembrane liner, we can engineer a product for your toughest demands. Our experience in designing quality film and sheeting has enabled us to offer a variety of products; each formulated to meet our customer's individual film requirements in addition to our standard product line.

Please review the following outline of our manufacturing capabilities and feel free to contact us with any questions or custom quote needs.

Blown Film Capabilities:

- Mono-Layer up to 7-Layer Blown Films
- Single Wound Sheeting up to 130" Wide
- Multi-Layer Film from 0.25 mil up to 40 mil Thick
- Capable of Processing a Wide Range of Resins
- Small Consumer Rolls
- Large Mill Rolls up to 50" Diameter
- Corona Treating & Printing
- Seamless Gusseted Widths up to 40' Wide

Lamination/Coating Capabilities:

- Lamination and Coating Up to 108" Wide
- 3 mil to 45 mil Fiber Reinforced Film & Sheeting
- Film to Fabric Configurations
- Wide Range of Reinforcement Options
- Extrusion Lamination
- Textured Surfaces

Converting Capabilities:

- Extrusion, Hot Air & Hot Wedge Welding
- Slitting and Re-Rolling
- 2-Color Print up to 120" Wide Web (100" Wide Print)
- Corona Treating
- Continuous Micro Perforation
- Factory Welded Panels up to 6,000 lbs

Raw Materials Processed:

- Low Density Polyethylene
- Lineal Low Density Polyethylene
- Medium Density Polyethylene
- High Density Polyethylene
- Polypropylene
- Metallocene
- Ionomer
- Nylon
- EVOH
- EVA
- TPO
- TPU
- Wide Range of Additives
- Stock or Special Order Colorants

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PRODUCT DESCRIPTION	PART NUMBER	COLOR	NOM. MIL THICKNESS	COMMON APPLICATIONS	ADVANTAGES (BENEFITS)	ROLL WIDTH RANGE	PRODUCT TYPE	BASIC ADDITIVES	APPROX. EXPOSED LONGEVITY
ABSOLUTE BARRIER EB25	EB25BS	B	25	2,7,21,23,26	1,2,3,5,6,8,12	6	9	1	12 yr.
CANVEX CB12WB	CB12WB	W/B	12	1,2,4,5,6,8,11,12,14,15	1,2,4,5,7,8	4,5	5	1,3,5	2 yr.
CONKURE X80W	X80W	W	17	27	1,2,4,6,7	6	12	1,5	**3 mo.
DURA-SKRIM 2	R5CC	C	6	9,10,13,20,24	1,2,5,6,7,8	4	4	1	4 mo.
DURA-SKRIM 2FR	R5CCF	N	6	9,10,13,20,22,24	1,2,5,6,7,8,9	4	4	2	3 mo.
DURA-SKRIM 6WW	R6WWK	W/W	6	1,2,8,9,10,13,15,22,24	1,2,4,5,6,7,8	5	4	1,5	1 yr.
DURA-SKRIM 6WB	R6WB	W/B	6	1,2,4,8,9,10,12,13,15,20,22,24	1,2,4,5,6,7,8	5	4	1,3,5	1 yr.
DURA-SKRIM 6BB	R6BB	B/B	6	1,2,4,6,8,15,21	1,2,4,5,6,7,8	5	4	3	1 yr.
DURA-SKRIM J6WB	J6WBA	W/B	6	1,2,4,8,9,10,12,13,15,16,20,22,24	1,2,4,5,6,7,8	5	4	1,3,5	1 yr.
DURA-SKRIM J6WHD	J6WHDA	W/W	6	1,2,8,9,10,13,15,22,24	1,2,4,5,6,7,8	5	4	1,5	1 yr.
DURA-SKRIM 8WB	R8WBK	W/B	8	1,2,4,5,6,8,11,12,13,14,21,22	1,2,4,5,6,7,8	5	4	1,3,5	1 yr.
DURA-SKRIM 8BB	R8BBR	B/B	8	1,2,4,6,8,11,12,13,15,21	1,2,4,5,6,7,8	5	4	3	1 yr.
DURA-SKRIM 8BV	R8BV	B/B	8	1,2,4,6,8,11,12,13,15	1,2,4,5,6,7,8	5	4	1,3	5 yr.
DURA-SKRIM 10FR	R10CCF	N	10	8,9,20,21,22,24	1,2,5,6,7,8,9	3	4	2	6 mo.
DURA-SKRIM 10HUV	R10CCU	C	10	2,4,8,9,10,11,13,20,22,24	1,2,5,6,7,8	5	4	1	1 yr.
DURA-SKRIM 12WB	R12WBK	W/B	12	1,2,3,4,5,6,8,11,14,15,21	1,2,5,6,7,8	5	4	1,3,5	2 yr.
DURA-SKRIM 12BV	R12BV	B/B	12	1,2,3,4,5,6,8	1,2,5,6,7,8	5	4	3	5 yr.
DURA-SKRIM R20BDV	R20BDV	B/D	20	1,2,3,5,6,8,11,12,17,21	1,2,5,6,8	4,5	4	1	5 yr.
DURA-SKRIM R20WW	R20WWK	W/W	20	1,2,3,5,6,11,12,17,21	1,2,5,6,8	4,5	4	1,5	5 yr.
DURA-SKRIM K30	K30B	B/B	30	2,3,6,7,17,19,29,30	1,2,5,6,8	4,5	4	1,3	20 yr.
DURA-SKRIM K36	K36B	B/B	36	2,3,6,7,17,19,29,30	1,2,5,6,8	4,5	4	1,3	20 yr.
DURA-SKRIM K45	K45B	B/B	45	2,3,6,7,17,19,29,30	1,2,5,6,8	4,5	4	1,3	20 yr.
DURA-SKRIM KQ36	KQ36B	B/B	36	2,3,6,7,17,19,29,30	1,2,5,6,8,11	4,5	13	1,3	15 yr.
DURA-SKRIM KQ45	KQ45B	B/B	45	2,3,6,7,17,19,29,30	1,2,5,6,8,11	4,5	13	1,3	20 yr.
DURA-SKRIM K-Series BT1	K36BT1,K45BT1	B/B	36 & 45	2,3,4,6,7,17,19,29,30	1,2,5,6,8,13	4,5	14	1,3	20 yr.
DURA-SKRIM K-Series BT2	K40BT2,K45BT2	B/B	40 & 45	2,3,4,6,7,17,19,29,30	1,2,5,6,8,13	4,5	14	1,3	20 yr.
FEEDFRESH RB7WB	RB7WB	W/B	7	9,14,15	1,2,5,6,8	6	4,9	1,3,5	18 mo.
FEEDPRO A5WB	A5WB	W/B	5	14,15	1,2,3,6,7,8	4	8	1,3,5	18 mo.
FORTRESS	HC5W	W	3.5	25	2,4,7,10	6	11	1	6 mo.
FORTRESS PRO	HL6W	W	14	25	2,4,10	6	10	1	6 mo.
RUFCO 300 WHITE	3W/SS3W	W	3	12,13,21,22,23	1,4,5,6,7	2	3	1,5	9 mo.
RUFCO 610B	610B	B	6	1,3,4,8,11,15	1,2,3,6,8	4,5	1	3	18 mo.
RUFCO 1010B	1010B	B	10	1,2,3,4,8,11,15	1,2,3,6,8	4,5	1	3	2 yr.
RUFCO 2010B	2010B	B	20	1,2,3,4,6,11	1,2,3,6,8	4,5	1	3	5 yr.
RUFCO 3010B	3010B	B	30	1,2,3,4,19	1,2,3,6,8	4,5	1	3	5 yr.
RUFCO 4010B	4010B	B	40	1,2,3,4,19	1,2,3,6,8	4,5	1	3	5 yr.
RUFCO 2000B	2000B	B	20	1,2,3,4,6,17,21	1,2,3,5,6,8	4,5	6	1,3	20 yr.
RUFCO 3000B	3000B	B	30	1,2,3,6,17,21	1,2,3,5,6,8	4,5	6	1,3	20 yr.
RUFCO 4000B	4000B	B	40	2,3,6,7,17,21	1,2,3,5,6,8	4,5	6	1,3	20 yr.
RUFCO E15DBS	E15DBS	D/B	15	1,2,3,4,6	1,2,3,5,6,8	4,5	8	1,3,4	2 yr.
RUFCO E30BS	E30BS	B	30	1,2,3,6	1,2,3,5,6,8	4,5	8	1,3,4	15 yr.
RUFCO PP40	PP40	B	40	2,3,6,7,17	1,2,3,5,6,8,11	4,5	2	1,3	20 yr.
VAPORBLOCK 6, 10 & 15	VB6,VB10,VB15	BU	6, 10 & 15	21,23	1,2,3,5,6,8	6	7	1	*N/A
VAPORBLOCK PLUS 20	VBP20	W/G	20	21,23,26	1,2,3,5,6,8,12	6	9	1,5	*N/A

Color Key: C=Clear B=Black W=White N=Natural G=Gold BU=Blue D=Gray

COMMON APPLICATIONS

1. Oil Field Pit Liners
2. Remediation Liners & Covers
3. Pond Liners
4. Erosion Control Covers
5. Daily Landfill Covers
6. Interim Landfill Covers
7. Landfill Caps
8. Outdoor Covers
9. Fumigation Covers
10. Lead & Asbestos Abatement
11. Stock Pile Covers
12. Rail Car Covers/Liners
13. Product Wrapping
14. Grain Covers
15. Hay/Silage Covers
16. Poultry House Ceilings
17. Waste Disposal Liners
18. Hog Confinement Ceilings
19. Floating Covers
20. Enclosure Film
21. Under-slab Vapor Retarder
22. Ceiling & Wall Vapor Retarder
23. Radon Retarder
24. Divider Curtains
25. House Wrap
26. Gas Barrier - Brownfields
27. Concrete Curing Blanket
29. Heap Leach Liners
30. Mine Tailing Ponds

ADVANTAGES (BENEFITS):

1. High Puncture Resistance
2. High Tear Resistance
3. High Elongation
4. Low Elongation
5. Low Moisture Permeability
6. Pin Hole Free
7. Economical
8. Good Outdoor Longevity
9. Fire Retardant
10. Breathable
11. Dimensional Stability
12. Low Gas Permeability
13. Increased Surface Friction

PRODUCT TYPE:

1. Extruded 1-Layer MDPE Blend
2. Extruded Flexible Polypropylene
3. Cross Laminated (HDPE/LDPE/HDPE)
4. Scrim Reinforced LLDPE
5. Woven HDPE Ribbons and Coated with LDPE
6. Extruded 1-Layer LLDPE
7. Extruded 1-Layer Polyolefin
8. Co-Extruded 3-Layer Polyolefin
9. Co-Extruded 7-Layer with Barrier
10. Microporous Reinforced Non-woven
11. Woven Polyolefin Microporous
12. Coated Polyolefin Fabric
13. Scrim Reinforced Flexible PP Laminated
14. Textured Scrim Reinforced LLDPE

ROLL WIDTH RANGE:

1. Up to 20'
2. Up to 32'
3. Up to 40'
4. Up to 150'
5. Consult Factory for Widths over 150'
6. Consult Factory for sizes

BASIC ADDITIVES:

1. Ultraviolet Inhibitors/ Thermal Stabilizer
2. Fire Retardant
3. Carbon Black
4. Anti-Skid
5. TiO2 (titanium dioxide)

LDPE = Low Density Polyethylene
MDPE = Medium Density Polyethylene
VLDPE = Very Low Density Polyethylene
LLDPE = Linear Low Density Polyethylene
HDPE = High Density Polyethylene
PP = Polypropylene

Roll Lengths are typically 100'. Many other roll lengths are available. Maximum Roll Weight is 6,000 pounds.

* This product contains UV inhibitors, however, it is intended for non-exposed applications. (Underslab Vapor or Gas Barrier)

** UV Protection in coated side only.

Note: To the best of our knowledge, unless otherwise stated, the information listed on this sheet is best estimate and is intended as guides only, not as specification limits. Chemical resistance, moisture and/odor transmission, as well as other performance criteria are not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. LONGEVITY varies with actual location and weather conditions, which include sun or shade, extreme heat or cold, wind, altitude, installation and many other variables. Because of these variables, we cannot determine exact longevity.

Please visit our website to learn more at www.RavenEFD.com

APPENDIX 9

Truck Route

N

0 400'

Title:

TRUCK ROUTE

5510/5530 BROADWAY
BRONX, NEW YORK

Prepared for:

EQUITY ONE, INC.

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: W.M.	Date: 17APR14	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	A9
Project Mgr.: W.M.	Project No.: 1924.0005Y000	
File: 1924.0005Y105.03.CDR		

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APPENDIX 10

RIR and RAWP Certification Pages

CERTIFICATION

I, Craig A. Werle, of Roux Associates, Inc, 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 5530 Broadway Site, (NYC VCP Site No. 14CVCP208X). 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.

Craig A. Werle	4/16/14	Craig A. Werle
Qualified Environmental Professional	Date	Signature

CERTIFICATION

I, Charles J. McGuckin, P.E., am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 5530 Broadway Site, Site number 14CVCP170X.

I, Craig A. Werle, P.G., am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the 5530 Broadway Site, Site number 14CVCP170X.

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill, and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Charles J. McGuckin, P.E. NYS Professional Engineer #069509	2/25/14 Date	Signature

STATE OF NEW YORK
CHARLES J. MCGUCKIN
069509
LICENSED PROFESSIONAL ENGINEER

Craig A. Werle, P.G. QEP Name	2/25/14 Date	QEP Signature

APPENDIX C

Community Air Monitoring Data

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 7/18/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:50:00	0.037	7:50:00	0.023	-0.014
7:55:00	0.025	7:55:00	0.016	-0.009
8:00:00	0.025	8:00:00	0.007	-0.018
8:05:00	0.025	8:05:00	0.006	-0.019
8:10:00	0.027	8:10:00	0.008	-0.019
8:15:00	0.027	8:15:00	0.006	-0.021
8:20:00	0.028	8:20:00	0.007	-0.021
8:25:00	0.027	8:25:00	0.008	-0.019
8:30:00	0.027	8:30:00	0.006	-0.021
8:35:00	0.027	8:35:00	0.007	-0.020
8:40:00	0.027	8:40:00	0.009	-0.018
8:45:00	0.027	8:45:00	0.008	-0.019
8:50:00	0.027	8:50:00	0.008	-0.019
8:55:00	0.027	8:55:00	0.007	-0.020
9:00:00	0.026	9:00:00	0.008	-0.018
9:05:00	0.028	9:05:00	0.006	-0.022
9:10:00	0.027	9:10:00	0.005	-0.022
9:15:00	0.028	9:15:00	0.005	-0.023
9:20:00	0.029	9:20:00	0.007	-0.022
9:25:00	0.030	9:25:00	0.007	-0.023
9:30:00	0.027	9:30:00	0.004	-0.023
9:35:00	0.027	9:35:00	0.005	-0.022
9:40:00	0.034	9:40:00	0.009	-0.025
9:45:00	0.037	9:45:00	0.007	-0.030
9:50:00	0.033	9:50:00	0.006	-0.027
9:55:00	0.034	9:55:00	0.012	-0.022
10:00:00	0.031	10:00:00	0.005	-0.026
10:05:00	0.032	10:05:00	0.004	-0.028
10:10:00	0.037	10:10:00	0.003	-0.034
10:15:00	0.038	10:15:00	0.004	-0.034
10:20:00	0.041	10:20:00	0.005	-0.036
10:25:00	0.040	10:25:00	0.007	-0.033
10:30:00	0.040	10:30:00	0.004	-0.036
10:35:00	0.043	10:35:00	0.005	-0.038
10:40:00	0.043	10:40:00	0.005	-0.038
10:45:00	0.045	10:45:00	0.006	-0.039

10:50:00	0.040	10:50:00	0.011	-0.029
10:55:00	0.041	10:55:00	0.007	-0.034
11:00:00	0.035	11:00:00	0.005	-0.030
11:05:00	0.036	11:05:00	0.005	-0.031
11:10:00	0.096	11:10:00	0.005	-0.091
11:15:00	0.121	11:15:00	0.004	-0.117

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 7/24/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:10:00	0.032	7:10:00	0.025	-0.007
7:15:00	0.025	7:15:00	0.008	-0.017
7:20:00	0.024	7:20:00	0.004	-0.020
7:25:00	0.024	7:25:00	0.005	-0.019
7:30:00	0.023	7:30:00	0.005	-0.018
7:35:00	0.023	7:35:00	0.022	-0.001
7:40:00	0.022	7:40:00	0.023	0.001
7:45:00	0.023	7:45:00	0.012	-0.011
7:50:00	0.022	7:50:00	0.012	-0.010
7:55:00	0.022	7:55:00	0.006	-0.016
8:00:00	0.023	8:00:00	0.005	-0.018
8:05:00	0.023	8:05:00	0.007	-0.016
8:10:00	0.023	8:10:00	0.005	-0.018
8:15:00	0.023	8:15:00	0.006	-0.017
8:20:00	0.024	8:20:00	0.004	-0.020
8:25:00	0.028	8:25:00	0.018	-0.010
8:30:00	0.026	8:30:00	0.008	-0.018
8:35:00	0.024	8:35:00	0.007	-0.017
8:40:00	0.023	8:40:00	0.005	-0.018
8:45:00	0.023	8:45:00	0.006	-0.017
8:50:00	0.023	8:50:00	0.004	-0.019
8:55:00	0.023	8:55:00	0.003	-0.020
9:00:00	0.023	9:00:00	0.003	-0.020
9:05:00	0.024	9:05:00	0.005	-0.019
9:10:00	0.025	9:10:00	0.005	-0.020
9:15:00	0.029	9:15:00	0.004	-0.025
9:20:00	0.025	9:20:00	0.004	-0.021
9:25:00	0.024	9:25:00	0.004	-0.020
9:30:00	0.024	9:30:00	0.042	0.018
9:35:00	0.024	9:35:00	0.005	-0.019
9:40:00	0.024	9:40:00	0.006	-0.018
9:45:00	0.024	9:45:00	0.013	-0.011
9:50:00	0.024	9:50:00	0.007	-0.017
9:55:00	0.028	9:55:00	0.008	-0.020
10:00:00	0.025	10:00:00	0.003	-0.022
10:05:00	0.025	10:05:00	0.002	-0.023

10:10:00	0.024	10:10:00	0.005	-0.019
10:15:00	0.024	10:15:00	0.005	-0.019
10:20:00	0.024	10:20:00	0.003	-0.021
10:25:00	0.023	10:25:00	0.005	-0.018
10:30:00	0.023	10:30:00	0.005	-0.018
10:35:00	0.023	10:35:00	0.005	-0.018
10:40:00	0.023	10:40:00	0.005	-0.018
10:45:00	0.023	10:45:00	0.008	-0.015
10:50:00	0.024	10:50:00	0.008	-0.016
10:55:00	0.023	10:55:00	0.004	-0.019
11:00:00	0.023	11:00:00	0.005	-0.018
11:05:00	0.024	11:05:00	0.005	-0.019
11:10:00	0.024	11:10:00	0.003	-0.021
11:15:00	0.024	11:15:00	0.004	-0.020
11:20:00	0.027	11:20:00	0.003	-0.024
11:25:00	0.026	11:25:00	0.002	-0.024
11:30:00	0.025	11:30:00	0.046	0.021
11:35:00	0.024	11:35:00	0.007	-0.017
11:40:00	0.024	11:40:00	0.009	-0.015
11:45:00	0.024	11:45:00	0.009	-0.015
11:50:00	0.024	11:50:00	0.005	-0.019
11:55:00	0.024	11:55:00	0.005	-0.019
12:00:00	0.025	12:00:00	0.007	-0.018
12:05:00	0.024	12:05:00	0.004	-0.020
12:10:00	0.024	12:10:00	0.004	-0.020
12:15:00	0.024	12:15:00	0.003	-0.021
12:20:00	0.025	12:20:00	0.003	-0.022
12:25:00	0.024	12:25:00	0.004	-0.020

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/8/2014

Upwind		Downwind		Difference
Time	**Conc [mg/m3]**	**Time**	**Conc [mg/m3]**	
8:05:00	0.021	8:05:00	0.000	-0.021
8:10:00	0.016	8:10:00	0.018	0.002
8:15:00	0.016	8:15:00	0.017	0.001
8:20:00	0.016	8:20:00	0.015	-0.001
8:25:00	0.013	8:25:00	0.014	0.001
8:30:00	0.009	8:30:00	0.013	0.004
8:35:00	0.010	8:35:00	0.014	0.004
8:40:00	0.010	8:40:00	0.013	0.003
8:45:00	0.010	8:45:00	0.013	0.003
8:50:00	0.009	8:50:00	0.014	0.005
8:55:00	0.011	8:55:00	0.014	0.003
9:00:00	0.010	9:00:00	0.013	0.003
9:05:00	0.008	9:05:00	0.014	0.006
9:10:00	0.008	9:10:00	0.014	0.006
9:15:00	0.009	9:15:00	0.016	0.007
9:20:00	0.008	9:20:00	0.014	0.006
9:25:00	0.011	9:25:00	0.015	0.004
9:30:00	0.010	9:30:00	0.014	0.004
9:35:00	0.009	9:35:00	0.015	0.006
9:40:00	0.016	9:40:00	0.015	-0.001
9:45:00	0.016	9:45:00	0.016	0.000
9:50:00	0.016	9:50:00	0.015	-0.001

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/10/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
8:05:00	0.049	8:05:00	0.005	-0.044
8:10:00	0.031	8:10:00	0.004	-0.027
8:15:00	0.027	8:15:00	0.008	-0.019
8:20:00	0.026	8:20:00	0.004	-0.022
8:25:00	0.027	8:25:00	0.003	-0.024
8:30:00	0.028	8:30:00	0.003	-0.025
8:35:00	0.027	8:35:00	0.002	-0.025
8:40:00	0.026	8:40:00	0.006	-0.020
8:45:00	0.025	8:45:00	0.005	-0.020
8:50:00	0.026	8:50:00	0.006	-0.020
8:55:00	0.027	8:55:00	0.005	-0.022
9:00:00	0.027	9:00:00	0.004	-0.023
9:05:00	0.025	9:05:00	0.012	-0.013
9:10:00	0.025	9:10:00	0.007	-0.018
9:15:00	0.026	9:15:00	0.004	-0.022
9:20:00	0.026	9:20:00	0.004	-0.022
9:25:00	0.026	9:25:00	0.003	-0.023
9:30:00	0.030	9:30:00	0.004	-0.026
9:35:00	0.034	9:35:00	0.003	-0.031
9:40:00	0.028	9:40:00	0.002	-0.026
9:45:00	0.027	9:45:00	0.003	-0.024
9:50:00	0.026	9:50:00	0.004	-0.022
9:55:00	0.028	9:55:00	0.004	-0.024
10:00:00	0.028	10:00:00	0.005	-0.023
10:05:00	0.028	10:05:00	0.004	-0.024
10:10:00	0.027	10:10:00	0.006	-0.021
10:15:00	0.026	10:15:00	0.010	-0.016
10:20:00	0.027	10:20:00	0.004	-0.023
10:25:00	0.028	10:25:00	0.002	-0.026
10:30:00	0.027	10:30:00	0.005	-0.022
10:35:00	0.026	10:35:00	0.001	-0.025
10:40:00	0.027	10:40:00	0.000	-0.027
10:45:00	0.026	10:45:00	0.006	-0.020
10:50:00	0.027	10:50:00	0.002	-0.025
10:55:00	0.029	10:55:00	0.002	-0.027
11:00:00	0.030	11:00:00	0.002	-0.028

11:05:00	0.034	11:05:00	0.002	-0.032
11:10:00	0.032	11:10:00	0.002	-0.030
11:15:00	0.031	11:15:00	0.001	-0.030
11:20:00	0.033	11:20:00	0.003	-0.030
11:25:00	0.042	11:25:00	0.001	-0.041
11:30:00	0.034	11:30:00	0.002	-0.032
11:35:00	0.031	11:35:00	0.002	-0.029
11:40:00	0.032	11:40:00	0.002	-0.030
11:45:00	0.033	11:45:00	0.004	-0.029
11:50:00	0.035	11:50:00	0.003	-0.032
11:55:00	0.031	11:55:00	0.003	-0.028
12:00:00	0.032	12:00:00	0.002	-0.030
12:05:00	0.032	12:05:00	0.003	-0.029
12:10:00	0.037	12:10:00	0.003	-0.034
12:15:00	0.039	12:15:00	0.001	-0.038
12:20:00	0.042	12:20:00	0.002	-0.040
12:25:00	0.035	12:25:00	0.003	-0.032
12:30:00	0.035	12:30:00	0.003	-0.032
12:35:00	0.034	12:35:00	0.003	-0.031
12:40:00	0.034	12:40:00	0.002	-0.032
12:45:00	0.035	12:45:00	0.005	-0.030
12:50:00	0.034	12:50:00	0.003	-0.031
12:55:00	0.032	12:55:00	0.003	-0.029
1:00:00	0.037	1:00:00	0.002	-0.035
1:05:00	0.033	1:05:00	0.001	-0.032
1:10:00	0.034	1:10:00	0.001	-0.033
1:15:00	0.038	1:15:00	0.001	-0.037
1:20:00	0.039	1:20:00	0.001	-0.038
1:25:00	0.034	1:25:00	0.000	-0.034
1:30:00	0.030	1:30:00	0.001	-0.029
1:35:00	0.031	1:35:00	0.000	-0.031
1:40:00	0.030	1:40:00	0.000	-0.030
1:45:00	0.030	1:45:00	0.001	-0.029
1:50:00	0.029	1:50:00	0.001	-0.028
1:55:00	0.031	1:55:00	0.002	-0.029
2:00:00	0.032	2:00:00	0.000	-0.032
2:05:00	0.031	2:05:00	0.006	-0.025
2:10:00	0.030	2:10:00	0.002	-0.028
2:15:00	0.028	2:15:00	0.000	-0.028
2:20:00	0.028	2:20:00	0.002	-0.026
2:25:00	0.028	2:25:00	0.000	-0.028
2:30:00	0.028	2:30:00	0.003	-0.025
2:35:00	0.027	2:35:00	0.005	-0.022
2:40:00	0.028	2:40:00	0.003	-0.025
2:45:00	0.027	2:45:00	0.008	-0.019
2:50:00	0.027	2:50:00	0.008	-0.019
2:55:00	0.028	2:55:00	0.004	-0.024

3:00:00	0.028	3:00:00	0.005	-0.023
3:05:00	0.027	3:05:00	0.006	-0.021
3:10:00	0.027	3:10:00	0.003	-0.024

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/11/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:35:00	0.024	7:35:00	0.006	-0.018
7:40:00	0.021	7:40:00	0.007	-0.014
7:45:00	0.021	7:45:00	0.006	-0.015
7:50:00	0.021	7:50:00	0.007	-0.014
7:55:00	0.021	7:55:00	0.006	-0.015
8:00:00	0.022	8:00:00	0.006	-0.016
8:05:00	0.021	8:05:00	0.007	-0.014
8:10:00	0.022	8:10:00	0.008	-0.014
8:15:00	0.022	8:15:00	0.006	-0.016
8:20:00	0.022	8:20:00	0.005	-0.017
8:25:00	0.023	8:25:00	0.008	-0.015
8:30:00	0.023	8:30:00	0.007	-0.016
8:35:00	0.023	8:35:00	0.006	-0.017
8:40:00	0.023	8:40:00	0.006	-0.017
8:45:00	0.025	8:45:00	0.007	-0.018
8:50:00	0.025	8:50:00	0.007	-0.018
8:55:00	0.023	8:55:00	0.006	-0.017
9:00:00	0.022	9:00:00	0.008	-0.014
9:05:00	0.022	9:05:00	0.006	-0.016
9:10:00	0.023	9:10:00	0.005	-0.018
9:15:00	0.026	9:15:00	0.005	-0.021
9:20:00	0.023	9:20:00	0.004	-0.019
9:25:00	0.022	9:25:00	0.006	-0.016
9:30:00	0.022	9:30:00	0.005	-0.017
9:35:00	0.022	9:35:00	0.005	-0.017
9:40:00	0.022	9:40:00	0.005	-0.017
9:45:00	0.023	9:45:00	0.006	-0.017
9:50:00	0.022	9:50:00	0.005	-0.017
9:55:00	0.023	9:55:00	0.005	-0.018
10:00:00	0.023	10:00:00	0.004	-0.019
10:05:00	0.023	10:05:00	0.004	-0.019
10:10:00	0.023	10:10:00	0.004	-0.019
10:15:00	0.024	10:15:00	0.016	-0.008
10:20:00	0.02	10:20:00	0.006	-0.018
10:25:00	0.02	10:25:00	0.006	-0.018
10:30:00	0.02	10:30:00	0.005	-0.019

10:35:00	0.02	10:35:00	0.009	-0.013
10:40:00	0.02	10:40:00	0.009	-0.013
10:45:00	0.02	10:45:00	0.010	-0.012
10:50:00	0.02	10:50:00	0.008	-0.015
10:55:00	0.02	10:55:00	0.011	-0.011
11:00:00	0.02	11:00:00	0.009	-0.013
11:05:00	0.02	11:05:00	0.007	-0.015
11:10:00	0.02	11:10:00	0.007	-0.017
11:15:00	0.02	11:15:00	0.008	-0.015
11:20:00	0.02	11:20:00	0.008	-0.014
11:25:00	0.02	11:25:00	0.006	-0.017
11:30:00	0.02	11:30:00	0.006	-0.018
11:35:00	0.02	11:35:00	0.005	-0.019
11:40:00	0.02	11:40:00	0.006	-0.018
11:45:00	0.02	11:45:00	0.007	-0.017
11:50:00	0.02	11:50:00	0.010	-0.014
11:55:00	0.03	11:55:00	0.009	-0.016
12:00:00	0.02	12:00:00	0.006	-0.018
12:05:00	0.02	12:05:00	0.004	-0.020
12:10:00	0.02	12:10:00	0.004	-0.020
12:15:00	0.02	12:15:00	0.005	-0.019
12:20:00	0.02	12:20:00	0.003	-0.020
12:25:00	0.02	12:25:00	0.007	-0.017
12:30:00	0.02	12:30:00	0.005	-0.019
12:35:00	0.02	12:35:00	0.004	-0.019
12:40:00	0.02	12:40:00	0.004	-0.020
12:45:00	0.02	12:45:00	0.006	-0.018
12:50:00	0.02	12:50:00	0.006	-0.018
12:55:00	0.02	12:55:00	0.012	-0.012
13:00:00	0.02	13:00:00	0.005	-0.020
13:05:00	0.03	13:05:00	0.006	-0.019
13:10:00	0.03	13:10:00	0.004	-0.030
13:15:00	0.05	13:15:00	0.004	-0.044
13:20:00	0.05	13:20:00	0.006	-0.042
13:25:00	0.05	13:25:00	0.013	-0.035
13:30:00	0.05	13:30:00	0.007	-0.038
13:35:00	0.05	13:35:00	6.000	5.955
13:40:00	0.04	13:40:00	0.004	-0.039
13:45:00	0.06	13:45:00	0.003	-0.054

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/12/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:50:00	0.047	7:50:00	0.000	-0.047
7:55:00	0.033	7:55:00	0.000	-0.033
8:00:00	0.030	8:00:00	0.005	-0.025
8:05:00	0.029	8:05:00	0.004	-0.025
8:10:00	0.028	8:10:00	0.009	-0.019
8:15:00	0.029	8:15:00	0.007	-0.022
8:20:00	0.030	8:20:00	0.008	-0.022
8:25:00	0.033	8:25:00	0.002	-0.031
8:30:00	0.032	8:30:00	0.015	-0.017
8:35:00	0.031	8:35:00	0.005	-0.026
8:40:00	0.028	8:40:00	0.003	-0.025
8:45:00	0.027	8:45:00	0.004	-0.023
8:50:00	0.029	8:50:00	0.003	-0.026
8:55:00	0.028	8:55:00	0.006	-0.022
9:00:00	0.028	9:00:00	0.006	-0.022
9:05:00	0.027	9:05:00	0.005	-0.022
9:10:00	0.027	9:10:00	0.005	-0.022
9:15:00	0.026	9:15:00	0.003	-0.023
9:20:00	0.039	9:20:00	0.003	-0.036
9:25:00	0.042	9:25:00	0.002	-0.040
9:30:00	0.041	9:30:00	0.002	-0.039
9:35:00	0.037	9:35:00	0.004	-0.033
9:40:00	0.036	9:40:00	0.003	-0.033
9:45:00	0.038	9:45:00	0.003	-0.035
9:50:00	0.040	9:50:00	0.004	-0.036
9:55:00	0.041	9:55:00	0.006	-0.035
10:00:00	0.047	10:00:00	0.003	-0.044
10:05:00	0.038	10:05:00	0.003	-0.035
10:10:00	0.035	10:10:00	0.005	-0.030
10:15:00	0.034	10:15:00	0.004	-0.030
10:20:00	0.036	10:20:00	0.004	-0.032
10:25:00	0.043	10:25:00	0.005	-0.038
10:30:00	0.042	10:30:00	0.003	-0.039
10:35:00	0.050	10:35:00	0.008	-0.042
10:40:00	0.046	10:40:00	0.003	-0.043
10:45:00	0.043	10:45:00	0.013	-0.030

10:50:00	0.047	10:50:00	0.002	-0.045
10:55:00	0.043	10:55:00	0.008	-0.035
11:00:00	0.049	11:00:00	0.012	-0.037
11:05:00	0.048	11:05:00	0.005	-0.043
11:10:00	0.050	11:10:00	0.004	-0.046
11:15:00	0.048	11:15:00	0.006	-0.042
11:20:00	0.046	11:20:00	0.003	-0.043
11:25:00	0.049	11:25:00	0.003	-0.046
11:30:00	0.046	11:30:00	0.007	-0.039
11:35:00	0.049	11:35:00	0.009	-0.040
11:40:00	0.047	11:40:00	0.007	-0.040
11:45:00	0.046	11:45:00	0.001	-0.045
11:50:00	0.047	11:50:00	0.001	-0.046
11:55:00	0.044	11:55:00	0.002	-0.042
12:00:00	0.047	12:00:00	0.002	-0.045
12:05:00	0.046	12:05:00	0.001	-0.045
12:10:00	0.047	12:10:00	0.001	-0.046
12:15:00	0.046	12:15:00	0.001	-0.045
12:20:00	0.046	12:20:00	0.000	-0.046
12:25:00	0.044	12:25:00	0.003	-0.041
12:30:00	0.044	12:30:00	0.000	-0.044
12:35:00	0.043	12:35:00	0.000	-0.043
12:40:00	0.041	12:40:00	0.018	-0.023
12:45:00	0.039	12:45:00	0.001	-0.038
12:50:00	0.041	12:50:00	0.001	-0.040
12:55:00	0.040	12:55:00	0.006	-0.034
1:00:00	0.040	1:00:00	0.001	-0.039
1:05:00	0.040	1:05:00	0.002	-0.038
1:10:00	0.039	1:10:00	0.001	-0.038
1:15:00	0.036	1:15:00	0.002	-0.034
1:20:00	0.036	1:20:00	0.003	-0.033
1:25:00	0.035	1:25:00	0.004	-0.031
1:30:00	0.037	1:30:00	-0.001	-0.038
1:35:00	0.040	1:35:00	-0.001	-0.041
1:40:00	0.036	1:40:00	0.000	-0.036
1:45:00	0.037	1:45:00	0.000	-0.037
1:50:00	0.037	1:50:00	0.002	-0.035
1:55:00	0.037	1:55:00	0.000	-0.037
2:00:00	0.038	2:00:00	0.001	-0.037
2:05:00	0.039	2:05:00	0.001	-0.038
2:10:00	0.042	2:10:00	0.007	-0.035
2:15:00	0.040	2:15:00	0.000	-0.040
2:20:00	0.041	2:20:00	0.002	-0.039
2:25:00	0.039	2:25:00	0.001	-0.038
2:30:00	0.038	2:30:00	0.007	-0.031
2:35:00	0.040	2:35:00	0.013	-0.027
2:40:00	0.039	2:40:00	0.000	-0.039

2:45:00	0.047	2:45:00	0.002	-0.045

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/15/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:30:00	0.027	7:30:00	0.000	-0.027
7:35:00	0.026	7:35:00	0.000	-0.026
7:45:00	0.025	7:45:00	0.002	-0.023
7:50:00	0.023	7:50:00	0.002	-0.021
7:55:00	0.023	7:55:00	0.001	-0.022
8:00:00	0.023	8:00:00	0.005	-0.018
8:05:00	0.027	8:05:00	0.002	-0.025
8:10:00	0.027	8:10:00	0.003	-0.024
8:15:00	0.027	8:15:00	0.054	0.027
8:20:00	0.027	8:20:00	0.006	-0.021
8:25:00	0.027	8:25:00	0.005	-0.022
8:30:00	0.027	8:30:00	0.002	-0.025
8:35:00	0.029	8:35:00	0.002	-0.027
8:40:00	0.029	8:40:00	0.056	0.027
8:45:00	0.026	8:45:00	0.003	-0.023
8:50:00	0.026	8:50:00	0.003	-0.023
8:55:00	0.027	8:55:00	0.002	-0.025
9:00:00	0.063	9:00:00	0.001	-0.062
9:05:00	0.117	9:05:00	0.001	-0.116
9:10:00	0.125	9:10:00	0.001	-0.124
9:15:00	0.044	9:15:00	0.002	-0.042
9:20:00	0.047	9:20:00	0.002	-0.045
9:25:00	0.039	9:25:00	0.001	-0.038
9:30:00	0.026	9:30:00	0.001	-0.025
9:35:00	0.025	9:35:00	0.039	0.014
9:40:00	0.025	9:40:00	0.002	-0.023
9:45:00	0.027	9:45:00	0.010	-0.017
9:50:00	0.027	9:50:00	0.001	-0.026
9:55:00	0.033	9:55:00	-0.001	-0.034
10:00:00	0.026	10:00:00	-0.001	-0.027
10:05:00	0.025	10:05:00	-0.001	-0.026
10:10:00	0.024	10:10:00	0.123	0.099
10:15:00	0.025	10:15:00	0.004	-0.021
10:20:00	0.023	10:20:00	-0.001	-0.024
10:25:00	0.024	10:25:00	0.013	-0.011
10:30:00	0.023	10:30:00	-0.001	-0.024

10:35:00	0.025	10:35:00	-0.001	-0.026
10:40:00	0.024	10:40:00	-0.001	-0.025
10:45:00	0.026	10:45:00	0.000	-0.026
10:50:00	0.025	10:50:00	0.041	0.016
10:55:00	0.026	10:55:00	0.007	-0.019
11:00:00	0.026	11:00:00	-0.001	-0.027
11:05:00	0.025	11:05:00	-0.001	-0.026
11:10:00	0.027	11:10:00	0.002	-0.025
11:15:00	0.026	11:15:00	-0.001	-0.027
11:20:00	0.035	11:20:00	-0.002	-0.037
11:25:00	0.031	11:25:00	-0.002	-0.033
11:30:00	0.028	11:30:00	0.000	-0.028
11:35:00	0.027	11:35:00	0.001	-0.026
11:40:00	0.030	11:40:00	-0.001	-0.031
11:45:00	0.028	11:45:00	0.017	-0.011
11:50:00	0.028	11:50:00	0.006	-0.022
11:55:00	0.027	11:55:00	0.001	-0.026
12:00:00	0.029	12:00:00	0.004	-0.025
12:05:00	0.031	12:05:00	0.000	-0.031
12:10:00	0.028	12:10:00	0.030	0.002
12:15:00	0.032	12:15:00	0.001	-0.031
12:20:00	0.027	12:20:00	-0.001	-0.028
12:25:00	0.026	12:25:00	0.007	-0.019
12:30:00	0.026	12:30:00	0.001	-0.025
12:35:00	0.026	12:35:00	0.000	-0.026
12:40:00	0.026	12:40:00	0.002	-0.024
12:45:00	0.027	12:45:00	0.001	-0.026
12:50:00	0.026	12:50:00	0.003	-0.023
12:55:00	0.029	12:55:00	0.009	-0.020
1:00:00	0.027	1:00:00	0.082	0.055
1:05:00	0.029	1:05:00*	0.559	0.530
1:10:00	0.031	1:10:00	0.025	-0.006
1:15:00	0.029	1:15:00	0.019	-0.010
1:20:00	0.026	1:20:00	0.004	-0.022
1:25:00	0.026	1:25:00	0.031	0.005
1:30:00	0.029	1:30:00	-0.001	-0.030
1:35:00	0.028	1:35:00	0.002	-0.026
1:40:00	0.027	1:40:00	0.001	-0.026
1:45:00	0.025	1:45:00	-0.001	-0.026
1:50:00	0.026	1:50:00	-0.001	-0.027
1:55:00	0.026	1:55:00	0.001	-0.025
2:00:00	0.027	2:00:00	0.000	-0.027
2:05:00	0.026	2:05:00	NL	NM
2:10:00	0.026	2:10:00	NL	NM
2:15:00	0.027	2:15:00	NL	NM
2:20:00	0.025	2:20:00	NL	NM
2:25:00	0.026	2:25:00	NL	NM

2:30:00	0.037	2:30:00	NL	NM
2:35:00	0.032	2:35:00	NL	NM
2:40:00	0.029	2:40:00	NL	NM
2:45:00	0.033	2:45:00	NL	NM

*- Excavator tracked across site and created dust.
Sprayed down excavator pathway
NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/16/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:25:00	0.035	7:25:00	0.000	-0.035
7:30:00	0.029	7:30:00	0.014	-0.015
7:35:00	0.028	7:35:00	0.012	-0.016
7:40:00	0.029	7:40:00	0.012	-0.017
7:45:00	0.030	7:45:00	0.008	-0.022
7:50:00	0.035	7:50:00	0.013	-0.022
7:55:00	0.034	7:55:00	0.008	-0.026
8:00:00	0.032	8:00:00	0.008	-0.024
8:05:00	0.030	8:05:00	0.014	-0.016
8:10:00	0.029	8:10:00	0.009	-0.020
8:15:00	0.031	8:15:00	0.013	-0.018
8:20:00	0.031	8:20:00	0.027	-0.004
8:25:00	0.032	8:25:00	0.016	-0.016
8:30:00	0.037	8:30:00	0.013	-0.024
8:35:00	0.035	8:35:00	0.013	-0.022
8:40:00	0.034	8:40:00	0.013	-0.021
8:45:00	0.041	8:45:00	0.009	-0.032
8:50:00	0.038	8:50:00	0.011	-0.027
8:55:00	0.036	8:55:00	0.010	-0.026
9:00:00	0.036	9:00:00	0.010	-0.026
9:05:00	0.033	9:05:00	0.012	-0.021
9:10:00	0.033	9:10:00	0.011	-0.022
9:15:00	0.032	9:15:00	0.009	-0.023
9:20:00	0.031	9:20:00	0.013	-0.018
9:25:00	0.039	9:25:00	0.012	-0.027
9:30:00	0.100	9:30:00	0.010	-0.090
9:35:00	0.050	9:35:00	0.013	-0.037
9:40:00	0.036	9:40:00	0.013	-0.023
9:45:00	0.033	9:45:00	0.014	-0.019
9:50:00	0.032	9:50:00	0.013	-0.019
9:55:00	0.032	9:55:00	0.017	-0.015
10:00:00	0.034	10:00:00	0.012	-0.022
10:05:00	0.031	10:05:00	0.013	-0.018
10:10:00	0.028	10:10:00	0.012	-0.016
10:15:00	0.028	10:15:00	0.013	-0.015
10:20:00	0.030	10:20:00	0.011	-0.019

10:25:00	0.029	10:25:00	0.013	-0.016
10:30:00	0.031	10:30:00	0.009	-0.022
10:35:00	0.029	10:35:00	0.053	0.024
10:40:00	0.030	10:40:00	0.015	-0.015
10:45:00	0.031	10:45:00	0.010	-0.021
10:50:00	0.031	10:50:00	0.007	-0.024
10:55:00	0.031	10:55:00	0.007	-0.024
11:00:00	0.029	11:00:00	0.010	-0.019
11:05:00	0.028	11:05:00	0.010	-0.018
11:10:00	0.031	11:10:00	0.010	-0.021
11:15:00	0.030	11:15:00	0.023	-0.007
11:20:00	0.027	11:20:00	0.017	-0.010
11:25:00	0.030	11:25:00	0.011	-0.019
11:30:00	0.031	11:30:00	0.021	-0.010
11:35:00	0.028	11:35:00	0.032	0.004
11:40:00	0.027	11:40:00	0.012	-0.015
11:45:00	0.029	11:45:00	0.010	-0.019
11:50:00	0.032	11:50:00	0.006	-0.026
11:55:00	0.030	11:55:00	0.011	-0.019
12:00:00	0.031	12:00:00	0.009	-0.022
12:05:00	0.032	12:05:00	0.006	-0.026
12:10:00	0.032	12:10:00	0.005	-0.027
12:15:00	0.031	12:15:00	0.004	-0.027
12:20:00	0.030	12:20:00	0.003	-0.027
12:25:00	0.031	12:25:00	0.004	-0.027
12:30:00	0.029	12:30:00	0.005	-0.024
12:35:00	0.030	12:35:00	0.089	0.059
12:40:00	0.029	12:40:00	0.121	0.092
12:45:00	0.029	12:45:00	0.025	-0.004
12:50:00	0.032	12:50:00*	0.631	0.599
12:55:00	0.031	12:55:00	0.008	-0.023
1:00:00	0.030	1:00:00	0.008	-0.022
1:05:00	0.035	1:05:00	0.003	-0.032
1:10:00	0.032	1:10:00	0.002	-0.030
1:15:00	0.039	1:15:00	0.002	-0.037
1:20:00	0.046	1:20:00	0.002	-0.044
1:25:00	0.041	1:25:00	0.001	-0.040
1:30:00	0.032	1:30:00	0.001	-0.031
1:35:00	0.029	1:35:00	0.006	-0.023
1:40:00	0.030	1:40:00	0.003	-0.027
1:45:00	0.027	1:45:00	0.002	-0.025
1:50:00	0.028	1:50:00	0.003	-0.025
1:55:00	0.028	1:55:00	0.002	-0.026
2:00:00	0.026	2:00:00	0.005	-0.021
2:05:00	0.028	2:05:00	0.004	-0.024
2:10:00	0.029	2:10:00	0.005	-0.024
2:15:00	0.029	2:15:00	0.005	-0.024

2:20:00	0.028	2:20:00	0.001	-0.027
2:25:00	0.027	2:25:00	0.004	-0.023
2:30:00	0.034	2:30:00	0.002	-0.032

*- Pipe cutting taking place near downwind meter. Readings returned to normal when cutting stopped. Downwind meter relocated.

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/17/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:45:00	0.035	7:45:00	0.028	-0.007
7:50:00	0.035	7:50:00	0.024	-0.011
7:55:00	0.037	7:55:00	0.010	-0.027
8:00:00	0.039	8:00:00	0.009	-0.030
8:05:00	0.035	8:05:00	0.013	-0.022
8:10:00	0.034	8:10:00	0.009	-0.025
8:15:00	0.034	8:15:00	0.006	-0.028
8:20:00	0.033	8:20:00	0.008	-0.025
8:25:00	0.032	8:25:00	0.009	-0.023
8:30:00	0.033	8:30:00	0.005	-0.028
8:35:00	0.032	8:35:00	0.010	-0.022
8:40:00	0.031	8:40:00	0.007	-0.024
8:45:00	0.031	8:45:00	0.005	-0.026
8:50:00	0.029	8:50:00	0.005	-0.024
8:55:00	0.030	8:55:00	0.006	-0.024
9:00:00	0.031	9:00:00	0.006	-0.025
9:05:00	0.031	9:05:00	0.006	-0.025
9:10:00	0.032	9:10:00	0.006	-0.026
9:15:00	0.032	9:15:00	0.008	-0.024
9:20:00	0.036	9:20:00	0.006	-0.030
9:25:00	NL	9:25:00	0.003	NM
9:30:00	NL	9:30:00	0.011	NM
9:35:00	NL	9:35:00	0.005	NM
9:40:00	NL	9:40:00	0.002	NM
9:45:00	NL	9:45:00	0.001	NM
9:50:00	NL	9:50:00	0.001	NM
9:55:00	NL	9:55:00	0.005	NM
10:00:00	NL	10:00:00	0.002	NM
10:05:00	NL	10:05:00	0.001	NM
10:10:00	NL	10:10:00	0.016	NM
10:15:00	NL	10:15:00	0.003	NM
10:20:00	NL	10:20:00	0.002	NM
10:25:00	NL	10:25:00	0.001	NM
10:30:00	NL	10:30:00	0.001	NM
10:35:00	NL	10:35:00	0.001	NM
10:40:00	NL	10:40:00	0.002	NM

10:45:00	NL	10:45:00	0.000	NM
10:50:00	NL	10:50:00	0.002	NM
10:55:00	NL	10:55:00	0.000	NM
11:00:00	NL	11:00:00	0.001	NM
11:05:00	NL	11:05:00	0.000	NM
11:10:00	NL	11:10:00	0.001	NM
11:15:00	NL	11:15:00	0.001	NM
11:20:00	NL	11:20:00	0.004	NM
11:25:00	NL	11:25:00	0.002	NM
11:30:00	NL	11:30:00	0.000	NM
11:35:00	NL	11:35:00	0.000	NM
11:40:00	NL	11:40:00	0.000	NM
11:45:00	NL	11:45:00	0.000	NM
11:50:00	NL	11:50:00	0.000	NM
11:55:00	NL	11:55:00	0.000	NM
12:00:00	NL	12:00:00	0.002	NM
12:05:00	NL	12:05:00	0.001	NM
12:10:00	NL	12:10:00	0.000	NM
12:15:00	NL	12:15:00	0.000	NM
12:20:00	NL	12:20:00	0.000	NM
12:25:00	NL	12:25:00	0.004	NM
12:30:00	NL	12:30:00	0.002	NM
12:35:00	NL	12:35:00	0.000	NM
12:40:00	NL	12:40:00	0.000	NM
12:45:00	NL	12:45:00	0.000	NM
12:50:00	NL	12:50:00	0.000	NM
12:55:00	NL	12:55:00	0.000	NM
1:00:00	NL	1:00:00	0.001	NM
1:05:00	NL	1:05:00	0.003	NM
1:10:00	NL	1:10:00	0.002	NM
1:15:00	NL	1:15:00	0.007	NM
1:20:00	NL	1:20:00	0.003	NM
1:25:00	NL	1:25:00	0.002	NM
1:30:00	NL	1:30:00	0.002	NM
1:35:00	NL	1:35:00	0.003	NM
1:40:00	NL	1:40:00	0.001	NM
1:45:00	NL	1:45:00	0.003	NM
1:50:00	NL	1:50:00	0.001	NM
1:55:00	NL	1:55:00	0.001	NM
2:00:00	NL	2:00:00	0.003	NM
2:05:00	NL	2:05:00	0.007	NM
2:10:00	NL	2:10:00	0.004	NM
2:15:00	NL	2:15:00	0.003	NM
2:20:00	NL	2:20:00	0.008	NM
2:25:00	NL	2:25:00	0.001	NM
2:30:00	NL	2:30:00	0.001	NM
2:35:00	NL	2:35:00	0.001	NM

2:40:00	NL	2:40:00	0.001	NM
2:45:00	NL	2:45:00	0.002	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/18/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:20:00	0.031	7:20:00	0.000	-0.031
7:25:00	0.025	7:25:00	0.000	-0.025
7:30:00	0.026	7:30:00	0.013	-0.013
7:35:00	0.027	7:35:00	0.003	-0.024
7:40:00	0.027	7:40:00	0.002	-0.025
7:45:00	0.027	7:45:00	0.006	-0.021
7:50:00	0.026	7:50:00	0.003	-0.023
7:55:00	0.027	7:55:00	0.003	-0.024
8:00:00	0.030	8:00:00	0.004	-0.026
8:05:00	0.028	8:05:00	0.006	-0.022
8:10:00	0.030	8:10:00	0.009	-0.021
8:15:00	0.032	8:15:00	0.006	-0.026
8:20:00	0.030	8:20:00	0.004	-0.026
8:25:00	0.029	8:25:00	0.004	-0.025
8:30:00	0.028	8:30:00	0.012	-0.016
8:35:00	0.028	8:35:00	0.008	-0.020
8:40:00	0.027	8:40:00	0.003	-0.024
8:45:00	0.025	8:45:00	0.003	-0.022
8:50:00	0.025	8:50:00	0.003	-0.022
8:55:00	0.027	8:55:00	0.007	-0.020
9:00:00	0.027	9:00:00	0.004	-0.023
9:05:00	0.028	9:05:00	0.002	-0.026
9:10:00	0.027	9:10:00	0.003	-0.024
9:15:00	0.026	9:15:00	0.003	-0.023
9:20:00	0.035	9:20:00	0.011	-0.024
9:25:00	0.037	9:25:00	0.005	-0.032
9:30:00	0.033	9:30:00	0.008	-0.025
9:35:00	0.032	9:35:00	0.005	-0.027
9:40:00	0.030	9:40:00	0.005	-0.025
9:45:00	0.034	9:45:00	0.008	-0.026
9:50:00	0.029	9:50:00	0.004	-0.025
9:55:00	0.026	9:55:00	0.012	-0.014
10:00:00	0.027	10:00:00	0.004	-0.023
10:05:00	0.029	10:05:00	0.004	-0.025
10:10:00	0.029	10:10:00	0.008	-0.021
10:15:00	0.030	10:15:00	0.005	-0.025

10:20:00	0.030	10:20:00	0.006	-0.024
10:25:00	0.033	10:25:00	0.004	-0.029
10:30:00	0.035	10:30:00	0.003	-0.032
10:35:00	0.035	10:35:00	0.009	-0.026
10:40:00	0.034	10:40:00	0.005	-0.029
10:45:00	0.032	10:45:00	0.003	-0.029
10:50:00	0.029	10:50:00	0.006	-0.023
10:55:00	0.029	10:55:00	0.006	-0.023
11:00:00	0.030	11:00:00	0.004	-0.026
11:05:00	0.030	11:05:00	0.004	-0.026
11:10:00	0.031	11:10:00	0.003	-0.028
11:15:00	0.034	11:15:00	0.003	-0.031
11:20:00	0.030	11:20:00	0.003	-0.027
11:25:00	0.030	11:25:00	0.001	-0.029
11:30:00	0.036	11:30:00	0.001	-0.035
11:35:00	0.031	11:35:00	0.002	-0.029
11:40:00	0.032	11:40:00	0.002	-0.030
11:45:00	0.032	11:45:00	0.007	-0.025
11:50:00	0.032	11:50:00	0.003	-0.029
11:55:00	0.031	11:55:00	0.002	-0.029
12:00:00	0.035	12:00:00	0.002	-0.033
12:05:00	0.035	12:05:00	0.004	-0.031
12:10:00	0.035	12:10:00	0.035	0.000
12:15:00	0.037	12:15:00	0.005	-0.032
12:20:00	0.037	12:20:00	0.008	-0.029
12:25:00	0.042	12:25:00	0.004	-0.038
12:30:00	0.039	12:30:00	0.002	-0.037
12:35:00	0.055	12:35:00	0.003	-0.052
12:40:00	0.066	12:40:00	0.004	-0.062
12:45:00	0.055	12:45:00	0.003	-0.052
12:50:00	0.034	12:50:00	0.005	-0.029
12:55:00	0.033	12:55:00	0.006	-0.027
1:00:00	0.034	1:00:00	0.005	-0.029
1:05:00	0.034	1:05:00	0.005	-0.029
1:10:00	0.034	1:10:00	0.017	-0.017
1:15:00	0.035	1:15:00	0.004	-0.031
1:20:00	0.034	1:20:00	0.004	-0.030
1:25:00	0.035	1:25:00	0.003	-0.032
1:30:00	0.034	1:30:00	0.008	-0.026
1:35:00	0.034	1:35:00	0.008	-0.026
1:40:00	0.038	1:40:00	0.002	-0.036
1:45:00	0.068	1:45:00	0.005	-0.063
1:50:00	NL	1:50:00	0.003	NM
1:55:00	NL	1:55:00	0.001	NM
2:00:00	NL	2:00:00	0.001	NM
2:05:00	NL	2:05:00	0.002	NM
2:10:00	NL	2:10:00	0.002	NM

2:15:00	NL	2:15:00	0.021	NM
2:20:00	NL	2:20:00	0.012	NM
2:25:00	NL	2:25:00	0.007	NM
2:30:00	NL	2:30:00	0.006	NM
2:35:00	NL	2:35:00	0.006	NM
2:40:00	NL	2:40:00	0.002	NM
2:45:00	NL	2:45:00	0.003	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/19/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:30:00	0.047	7:30:00	0.017	-0.030
7:35:00	0.029	7:35:00	0.016	-0.013
7:40:00	0.026	7:40:00	0.029	0.004
7:45:00	0.044	7:45:00	0.014	-0.030
7:50:00	0.039	7:50:00	0.013	-0.026
7:55:00	0.031	7:55:00	0.010	-0.022
8:00:00	0.029	8:00:00	0.014	-0.015
8:05:00	0.028	8:05:00	0.011	-0.017
8:10:00	0.029	8:10:00	0.009	-0.020
8:15:00	0.031	8:15:00	0.013	-0.018
8:20:00	0.035	8:20:00	0.011	-0.025
8:25:00	0.036	8:25:00	0.022	-0.015
8:30:00	0.034	8:30:00	0.039	0.004
8:35:00	0.037	8:35:00	0.031	-0.006
8:40:00	0.038	8:40:00	0.028	-0.010
8:45:00	0.037	8:45:00	0.036	-0.001
8:50:00	0.037	8:50:00	0.073	0.035
8:55:00	0.044	8:55:00	0.020	-0.024
9:00:00	0.045	9:00:00	0.015	-0.030
9:05:00	0.041	9:05:00	0.016	-0.025
9:10:00	0.049	9:10:00	0.016	-0.033
9:15:00	0.048	9:15:00	0.028	-0.020
9:20:00	0.043	9:20:00	0.013	-0.030
9:25:00	0.040	9:25:00	0.043	0.003
9:30:00	0.037	9:30:00	0.036	-0.001
9:35:00	0.038	9:35:00	0.041	0.003
9:40:00	0.047	9:40:00	0.029	-0.018
9:45:00	0.039	9:45:00	0.020	-0.019
9:50:00	0.034	9:50:00	0.013	-0.021
9:55:00	0.033	9:55:00	0.021	-0.012
10:00:00	0.033	10:00:00	0.019	-0.014
10:05:00	0.032	10:05:00	0.022	-0.010
10:10:00	0.031	10:10:00	0.024	-0.007
10:15:00	0.034	10:15:00	0.024	-0.010
10:20:00	0.032	10:20:00	0.049	0.018
10:25:00	0.032	10:25:00	0.034	0.002

10:30:00	0.033	10:30:00	0.012	-0.021
10:35:00	0.032	10:35:00	0.010	-0.022
10:40:00	0.032	10:40:00	0.016	-0.017
10:45:00	0.032	10:45:00	0.024	-0.009
10:50:00	0.032	10:50:00	0.022	-0.010
10:55:00	0.033	10:55:00	0.024	-0.009
11:00:00	0.036	11:00:00	0.018	-0.018
11:05:00	0.035	11:05:00	0.059	0.024
11:10:00	0.034	11:10:00	0.018	-0.016
11:15:00	0.036	11:15:00	0.007	-0.029
11:20:00	0.040	11:20:00	0.013	-0.026
11:25:00	0.038	11:25:00	0.025	-0.013
11:30:00	0.036	11:30:00	0.010	-0.026
11:35:00	0.036	11:35:00	0.013	-0.023
11:40:00	0.034	11:40:00	0.019	-0.015
11:45:00	0.034	11:45:00	0.018	-0.015
11:50:00	0.034	11:50:00	0.013	-0.021
11:55:00	0.035	11:55:00	0.022	-0.012
12:00:00	0.034	12:00:00	0.010	-0.023
12:05:00	0.033	12:05:00	0.010	-0.023
12:10:00	0.033	12:10:00	0.008	-0.025
12:15:00	0.034	12:15:00	0.005	-0.028
12:20:00	0.034	12:20:00	0.004	-0.030
12:25:00	0.035	12:25:00	0.005	-0.029
12:30:00	0.034	12:30:00	0.008	-0.026
12:35:00	0.033	12:35:00	0.020	-0.013
12:40:00	0.033	12:40:00	0.013	-0.020
12:45:00	0.034	12:45:00	0.005	-0.029
12:50:00	0.034	12:50:00	0.005	-0.029
12:55:00	0.034	12:55:00	0.083	0.048
1:00:00	0.035	1:00:00	0.015	-0.020
1:05:00	0.035	1:05:00	0.004	-0.030
1:10:00	0.036	1:10:00	0.005	-0.030
1:15:00	0.035	1:15:00	0.003	-0.032
1:20:00	0.036	1:20:00	0.003	-0.033
1:25:00	0.035	1:25:00	0.002	-0.033
1:30:00	0.004	1:30:00	0.011	0.007
1:35:00	0.003	1:35:00	0.019	0.016
1:40:00	0.038	1:40:00	0.010	-0.028
1:45:00	0.038	1:45:00	0.007	-0.031
1:50:00	0.038	1:50:00	0.005	-0.033
1:55:00	0.038	1:55:00	0.010	-0.028
2:00:00	0.038	2:00:00	0.009	-0.029
2:05:00	0.038	2:05:00	0.006	-0.032
2:10:00	0.038	2:10:00	0.014	-0.024
2:15:00	0.038	2:15:00	0.007	-0.031
2:20:00	0.038	2:20:00	0.005	-0.034

2:25:00	0.038	2:25:00	0.009	-0.029
2:30:00	0.038	2:30:00	0.016	-0.023
2:35:00	0.038	2:35:00	0.005	-0.033
2:40:00	0.038	2:40:00	0.004	-0.035
2:45:00	0.038	2:45:00	0.006	-0.032
2:50:00	0.038	2:50:00	0.004	-0.035
2:55:00	0.038	2:55:00	0.003	-0.035

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/22/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:55:00	0.007	7:55:00	0.000	-0.007
8:00:00	0.003	8:00:00	0.000	-0.003
8:05:00	0.004	8:05:00	0.000	-0.004
8:10:00	0.004	8:10:00	0.000	-0.004
8:15:00	0.004	8:15:00	0.000	-0.004
8:20:00	0.003	8:20:00	0.007	0.004
8:25:00	0.004	8:25:00	0.005	0.001
8:30:00	0.003	8:30:00	0.006	0.003
8:35:00	0.005	8:35:00	0.003	-0.002
8:40:00	0.011	8:40:00	0.010	-0.001
8:45:00	0.008	8:45:00	0.012	0.004
8:50:00	0.003	8:50:00	0.008	0.005
8:55:00	0.004	8:55:00	0.007	0.003
9:00:00	0.004	9:00:00	0.005	0.001
9:05:00	0.002	9:05:00	0.009	0.007
9:10:00	0.002	9:10:00	0.018	0.016
9:15:00	0.016	9:15:00	0.013	-0.003
9:20:00	0.008	9:20:00	0.010	0.002
9:25:00	0.004	9:25:00	0.020	0.016
9:30:00	0.002	9:30:00	0.037	0.035
9:35:00	0.002	9:35:00	0.006	0.004
9:40:00	0.002	9:40:00	0.009	0.007
9:45:00	0.010	9:45:00	0.028	0.018
9:50:00	0.010	9:50:00	0.095	0.085
9:55:00	0.003	9:55:00	0.006	0.003
10:00:00	0.003	10:00:00	0.002	-0.001
10:05:00	0.010	10:05:00	0.020	0.010
10:10:00	0.006	10:10:00	0.062	0.056
10:15:00	0.008	10:15:00	0.021	0.013
10:20:00	0.021	10:20:00	0.037	0.016
10:25:00	0.009	10:25:00	0.083	0.074
10:30:00	0.002	10:30:00	0.073	0.071
10:35:00	0.038	10:35:00	0.082	0.044
10:40:00	0.012	10:40:00	0.030	0.018
10:45:00	0.011	10:45:00	0.003	-0.008
10:50:00	0.012	10:50:00	0.136	0.124

10:55:00	0.013	10:55:00	0.199	0.186
11:00:00	0.003	11:00:00	0.309	0.306
11:05:00	0.008	11:05:00	0.095	0.087
11:10:00	0.017	11:10:00	0.027	0.010
11:15:00	0.017	11:15:00	0.016	-0.001
11:20:00	0.020	11:20:00	0.049	0.029
11:25:00	0.008	11:25:00	0.023	0.015
11:30:00	0.006	11:30:00	0.007	0.001
11:35:00	0.007	11:35:00	0.013	0.006
11:40:00	0.010	11:40:00	0.053	0.043
11:45:00	0.004	11:45:00	0.006	0.002
11:50:00	0.003	11:50:00	0.005	0.002
11:55:00	0.002	11:55:00	0.000	-0.002
12:00:00	0.007	12:00:00	0.006	-0.001
12:05:00	0.008	12:05:00	0.044	0.036
12:10:00	0.008	12:10:00	0.035	0.027
12:15:00	0.007	12:15:00	0.021	0.014
12:20:00	0.008	12:20:00	0.035	0.027
12:25:00	0.009	12:25:00	0.021	0.012
12:30:00	0.008	12:30:00	0.014	0.006
12:35:00	0.009	12:35:00	0.009	0.000
12:40:00	0.012	12:40:00	0.019	0.007
12:45:00	0.012	12:45:00	0.006	-0.006
12:50:00	0.009	12:50:00	0.003	-0.006
12:55:00	0.009	12:55:00	0.014	0.005
1:00:00	0.012	1:00:00	0.000	-0.012
1:05:00	0.009	1:05:00	0.000	-0.009
1:10:00	0.010	1:10:00	0.012	0.002
1:15:00	0.008	1:15:00	0.007	-0.001
1:20:00	0.008	1:20:00	0.144	0.136
1:25:00	0.012	1:25:00	0.111	0.099
1:30:00	0.014	1:30:00	0.036	0.022
1:35:00	0.010	1:35:00	0.012	0.002
1:40:00	0.010	1:40:00	0.015	0.005
1:45:00	0.011	1:45:00	0.007	-0.004
1:50:00	0.009	1:50:00	0.006	-0.003
1:55:00	0.010	1:55:00	0.014	0.004
2:00:00	0.011	2:00:00	0.009	-0.002
2:05:00	0.009	2:05:00	0.007	-0.002
2:10:00	0.011	2:10:00	0.273	0.262
2:15:00	0.010	2:15:00	0.070	0.060
2:20:00	0.009	2:20:00	0.010	0.001
2:25:00	0.014	2:25:00	0.001	-0.013
2:30:00	0.016	2:30:00	0.049	0.033

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/23/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:00:00	0.058	7:00:00	0.000	-0.058
7:05:00	0.047	7:05:00	0.000	-0.047
7:10:00	0.043	7:10:00	0.000	-0.043
7:15:00	0.040	7:15:00	0.000	-0.040
7:20:00	0.037	7:20:00	0.007	-0.030
7:25:00	0.036	7:25:00	0.004	-0.032
7:30:00	0.039	7:30:00	0.003	-0.036
7:35:00	0.041	7:35:00	0.003	-0.038
7:40:00	0.037	7:40:00	0.003	-0.034
7:45:00	0.035	7:45:00	0.004	-0.031
7:50:00	0.035	7:50:00	0.009	-0.026
7:55:00	0.036	7:55:00	0.005	-0.031
8:00:00	0.034	8:00:00	0.007	-0.027
8:05:00	0.034	8:05:00	0.003	-0.031
8:10:00	0.033	8:10:00	0.003	-0.030
8:15:00	0.033	8:15:00	0.003	-0.030
8:20:00	0.032	8:20:00	0.003	-0.029
8:25:00	0.031	8:25:00	0.002	-0.029
8:30:00	0.037	8:30:00	0.002	-0.035
8:35:00	0.056	8:35:00	0.003	-0.053
8:40:00	0.048	8:40:00	0.003	-0.045
8:45:00	0.044	8:45:00	0.003	-0.041
8:50:00	0.041	8:50:00	0.003	-0.038
8:55:00	0.077	8:55:00	0.003	-0.074
9:00:00	0.156	9:00:00	0.004	-0.152
9:05:00	0.184	9:05:00	0.003	-0.181
9:10:00	NL	9:10:00	0.004	NM
9:15:00	NL	9:15:00	0.004	NM
9:20:00	NL	9:20:00	0.003	NM
9:25:00	NL	9:25:00	0.003	NM
9:30:00	NL	9:30:00	0.003	NM
9:35:00	NL	9:35:00	0.003	NM
9:40:00	NL	9:40:00	0.003	NM
9:45:00	NL	9:45:00	0.007	NM
9:50:00	NL	9:50:00	0.004	NM
9:55:00	NL	9:55:00	0.005	NM

10:00:00	NL	10:00:00	0.004	NM
10:05:00	NL	10:05:00	0.010	NM
10:10:00	NL	10:10:00	0.004	NM
10:15:00	NL	10:15:00	0.008	NM
10:20:00	NL	10:20:00	0.002	NM
10:25:00	NL	10:25:00	0.001	NM
10:30:00	NL	10:30:00	0.002	NM
10:35:00	NL	10:35:00	0.008	NM
10:40:00	NL	10:40:00	0.002	NM
10:45:00	NL	10:45:00	0.002	NM
10:50:00	NL	10:50:00	0.002	NM
10:55:00	NL	10:55:00	0.001	NM
11:00:00	NL	11:00:00	0.002	NM
11:05:00	NL	11:05:00	0.001	NM
11:10:00	NL	11:10:00	0.001	NM
11:15:00	NL	11:15:00	0.001	NM
11:20:00	NL	11:20:00	0.001	NM
11:25:00	NL	11:25:00	0.001	NM
11:30:00	NL	11:30:00	0.001	NM
11:35:00	NL	11:35:00	0.001	NM
11:40:00	NL	11:40:00	0.001	NM
11:45:00	NL	11:45:00	0.001	NM
11:50:00	NL	11:50:00	0.003	NM
11:55:00	NL	11:55:00	0.006	NM
12:00:00	NL	12:00:00	0.002	NM
12:05:00	NL	12:05:00	0.003	NM
12:10:00	NL	12:10:00	0.001	NM
12:15:00	NL	12:15:00	0.003	NM
12:20:00	NL	12:20:00	0.001	NM
12:25:00	NL	12:25:00	0.002	NM
12:30:00	NL	12:30:00	0.000	NM
12:35:00	NL	12:35:00	0.002	NM
12:40:00	NL	12:40:00	0.001	NM
12:45:00	NL	12:45:00	0.000	NM
12:50:00	NL	12:50:00	0.002	NM
12:55:00	NL	12:55:00	0.002	NM
1:00:00	NL	1:00:00	0.001	NM
1:05:00	NL	1:05:00	0.010	NM
1:10:00	NL	1:10:00	0.003	NM
1:15:00	NL	1:15:00	0.002	NM
1:20:00	NL	1:20:00	0.003	NM
1:25:00	NL	1:25:00	0.002	NM
1:30:00	NL	1:30:00	0.001	NM
1:35:00	NL	1:35:00	0.009	NM
1:40:00	NL	1:40:00	0.007	NM
1:45:00	NL	1:45:00	0.006	NM
1:50:00	NL	1:50:00	0.002	NM

1:55:00	NL	1:55:00	0.002	NM
2:00:00	NL	2:00:00	0.003	NM
2:05:00	NL	2:05:00	0.002	NM
2:10:00	NL	2:10:00	0.002	NM
2:15:00	NL	2:15:00	0.001	NM
2:20:00	NL	2:20:00	0.002	NM
2:25:00	NL	2:25:00	0.004	NM
2:30:00	NL	2:30:00	0.005	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/24/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
6:50:00	0.029	6:50:00	0.000	-0.029
6:55:00	0.029	6:55:00	0.000	-0.029
7:00:00	0.029	7:00:00	0.000	-0.029
7:05:00	0.029	7:05:00	0.027	-0.002
7:10:00	0.029	7:10:00	0.011	-0.018
7:15:00	0.029	7:15:00	0.009	-0.020
7:20:00	0.027	7:20:00	0.010	-0.017
7:25:00	0.030	7:25:00	0.008	-0.022
7:30:00	0.030	7:30:00	0.010	-0.020
7:35:00	0.030	7:35:00	0.009	-0.021
7:40:00	0.030	7:40:00	0.006	-0.024
7:45:00	0.030	7:45:00	0.012	-0.018
7:50:00	0.029	7:50:00	0.006	-0.023
7:55:00	0.028	7:55:00	0.011	-0.017
8:00:00	0.029	8:00:00	0.008	-0.021
8:05:00	0.030	8:05:00	0.009	-0.021
8:10:00	0.028	8:10:00	0.024	-0.004
8:15:00	0.029	8:15:00	0.017	-0.012
8:20:00	0.029	8:20:00	0.012	-0.017
8:25:00	0.027	8:25:00	0.016	-0.011
8:30:00	0.027	8:30:00	0.011	-0.016
8:35:00	0.027	8:35:00	0.010	-0.017
8:40:00	0.027	8:40:00	0.010	-0.017
8:45:00	0.025	8:45:00	0.009	-0.016
8:50:00	0.028	8:50:00	0.024	-0.004
8:55:00	0.026	8:55:00	0.015	-0.011
9:00:00	0.027	9:00:00	0.016	-0.011
9:05:00	0.028	9:05:00	0.009	-0.019
9:10:00	0.029	9:10:00	0.010	-0.019
9:15:00	0.029	9:15:00	0.009	-0.020
9:20:00	0.029	9:20:00	0.010	-0.019
9:25:00	0.029	9:25:00	0.010	-0.019
9:30:00	0.031	9:30:00	0.015	-0.016
9:35:00	0.030	9:35:00	0.010	-0.020
9:40:00	0.030	9:40:00	0.009	-0.021
9:45:00	0.030	9:45:00	0.014	-0.016

9:50:00	0.030	9:50:00	0.007	-0.023
9:55:00	0.031	9:55:00	0.011	-0.020
10:00:00	0.030	10:00:00	0.008	-0.022
10:05:00	0.030	10:05:00	0.010	-0.020
10:10:00	0.030	10:10:00	0.008	-0.022
10:15:00	0.031	10:15:00	0.009	-0.022
10:20:00	0.034	10:20:00	0.020	-0.014
10:25:00	0.032	10:25:00	0.013	-0.019
10:30:00	0.033	10:30:00	0.011	-0.022
10:35:00	0.033	10:35:00	0.016	-0.017
10:40:00	0.045	10:40:00	0.012	-0.033
10:45:00	0.036	10:45:00	0.006	-0.030
10:50:00	0.041	10:50:00	0.016	-0.025
10:55:00	0.037	10:55:00	0.017	-0.020
11:00:00	0.036	11:00:00	0.012	-0.024
11:05:00	0.035	11:05:00	0.009	-0.026
11:10:00	0.035	11:10:00	0.008	-0.027
11:15:00	0.047	11:15:00	0.011	-0.036
11:20:00	0.037	11:20:00	0.016	-0.021
11:25:00	0.066	11:25:00	0.049	-0.017
11:30:00	0.050	11:30:00	0.041	-0.009
11:35:00	0.063	11:35:00	0.015	-0.048
11:40:00	0.050	11:40:00	0.013	-0.037
11:45:00	0.039	11:45:00	0.031	-0.008
11:50:00	0.060	11:50:00	0.025	-0.035
11:55:00	0.044	11:55:00	0.022	-0.022
12:00:00	0.038	12:00:00	0.016	-0.022
12:05:00	0.044	12:05:00	0.031	-0.013
12:10:00	0.044	12:10:00	0.031	-0.013
12:15:00	0.041	12:15:00	0.009	-0.032
12:20:00	0.040	12:20:00	0.012	-0.028
12:25:00	0.040	12:25:00	0.007	-0.033
12:30:00	0.039	12:30:00	0.006	-0.033
12:35:00	0.040	12:35:00	0.008	-0.032
12:40:00	0.041	12:40:00	0.005	-0.036
12:45:00	0.041	12:45:00	0.007	-0.034
12:50:00	0.042	12:50:00	0.009	-0.033
12:55:00	0.044	12:55:00	0.008	-0.036
1:00:00	0.042	1:00:00	0.009	-0.033
1:05:00	0.040	1:05:00	0.007	-0.033
1:10:00	0.041	1:10:00	0.010	-0.031
1:15:00	0.037	1:15:00	0.007	-0.030
1:20:00	0.256	1:20:00	0.006	-0.250
1:25:00	0.311	1:25:00	0.008	-0.303
1:30:00	NL	1:30:00	0.007	NM
1:35:00	NL	1:35:00	0.006	NM
1:40:00	NL	1:40:00	0.011	NM

1:45:00	NL	1:45:00	0.007	NM
1:50:00	NL	1:50:00	0.011	NM
1:55:00	NL	1:55:00	0.007	NM
2:00:00	NL	2:00:00	0.008	NM
2:05:00	NL	2:05:00	0.008	NM
2:10:00	NL	2:10:00	0.008	NM
2:15:00	NL	2:15:00	0.007	NM
2:20:00	NL	2:20:00	0.006	NM
2:25:00	NL	2:25:00	0.007	NM
2:30:00	NL	2:30:00	0.010	NM
2:35:00	NL	2:35:00	0.011	NM
2:40:00	NL	2:40:00	0.007	NM
2:45:00	NL	2:45:00	0.008	NM
2:50:00	NL	2:50:00	0.007	NM
2:55:00	NL	2:55:00	0.008	NM
3:00:00	NL	3:00:00	0.008	NM
3:05:00	NL	3:05:00	0.007	NM
3:10:00	NL	3:10:00	0.008	NM
3:15:00	NL	3:15:00	0.007	NM
3:20:00	NL	3:20:00	0.007	NM
3:25:00	NL	3:25:00	0.007	NM
3:30:00	NL	3:30:00	0.015	NM
3:35:00	NL	3:35:00	0.009	NM
3:40:00	NL	3:40:00	0.007	NM
3:45:00	NL	3:45:00	0.009	NM
3:50:00	NL	3:50:00	0.007	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/25/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:00:00	0.033	7:00:00	0.000	-0.033
7:05:00	0.027	7:05:00	0.000	-0.027
7:10:00	0.032	7:10:00	0.017	-0.015
7:15:00	0.033	7:15:00	0.011	-0.022
7:20:00	0.039	7:20:00	0.010	-0.029
7:25:00	0.051	7:25:00	0.009	-0.042
7:30:00	0.047	7:30:00	0.014	-0.033
7:35:00	0.037	7:35:00	0.013	-0.024
7:40:00	0.054	7:40:00	0.013	-0.041
7:45:00	0.056	7:45:00	0.023	-0.033
7:50:00	0.043	7:50:00	0.071	0.028
7:55:00	0.049	7:55:00	0.018	-0.031
8:00:00	0.053	8:00:00	0.018	-0.035
8:05:00	0.039	8:05:00	0.021	-0.018
8:10:00	0.032	8:10:00	0.038	0.006
8:15:00	0.033	8:15:00	0.021	-0.012
8:20:00	0.032	8:20:00	0.011	-0.021
8:25:00	0.034	8:25:00	0.029	-0.005
8:30:00	0.032	8:30:00	0.012	-0.020
8:35:00	0.031	8:35:00	0.010	-0.021
8:40:00	0.032	8:40:00	0.029	-0.003
8:45:00	0.032	8:45:00	0.059	0.027
8:50:00	0.032	8:50:00	0.084	0.052
8:55:00	0.032	8:55:00	0.084	0.052
9:00:00	0.030	9:00:00	0.080	0.050
9:05:00	0.030	9:05:00	0.065	0.035
9:10:00	0.037	9:10:00	0.021	-0.016
9:15:00	0.065	9:15:00	0.021	-0.044
9:20:00	0.044	9:20:00	0.022	-0.022
9:25:00	0.034	9:25:00	0.078	0.044
9:30:00	0.031	9:30:00	0.045	0.014
9:35:00	0.031	9:35:00	0.046	0.015
9:40:00	0.027	9:40:00	0.059	0.032
9:45:00	0.031	9:45:00	0.043	0.012
9:50:00	0.031	9:50:00	0.036	0.005
9:55:00	0.043	9:55:00	0.052	0.009

10:00:00	0.027	10:00:00	0.034	0.007
10:05:00	0.027	10:05:00	0.020	-0.007
10:10:00	0.031	10:10:00	0.009	-0.022
10:15:00	0.028	10:15:00	0.008	-0.020
10:20:00	0.027	10:20:00	0.010	-0.017
10:25:00	0.035	10:25:00	0.009	-0.026
10:30:00	0.038	10:30:00	0.008	-0.030
10:35:00	0.031	10:35:00	0.007	-0.024
10:40:00	0.034	10:40:00	0.012	-0.022
10:45:00	0.029	10:45:00	0.015	-0.014
10:50:00	0.030	10:50:00	0.014	-0.016
10:55:00	0.038	10:55:00	0.013	-0.025
11:00:00	0.039	11:00:00	0.013	-0.026
11:05:00	0.031	11:05:00	0.017	-0.014
11:10:00	0.033	11:10:00	0.015	-0.018
11:15:00	0.032	11:15:00	0.016	-0.016
11:20:00	0.030	11:20:00	0.015	-0.015
11:25:00	0.039	11:25:00	0.015	-0.024
11:30:00	0.042	11:30:00	0.016	-0.026
11:35:00	0.035	11:35:00	0.017	-0.018
11:40:00	0.031	11:40:00	0.011	-0.020
11:45:00	0.030	11:45:00	0.010	-0.020
11:50:00	0.035	11:50:00	0.009	-0.026
11:55:00	0.030	11:55:00	0.010	-0.020
12:00:00	0.032	12:00:00	0.009	-0.023
12:05:00	0.032	12:05:00	0.009	-0.023
12:10:00	0.034	12:10:00	0.009	-0.025
12:15:00	0.038	12:15:00	0.009	-0.029
12:20:00	0.032	12:20:00	0.009	-0.023
12:25:00	0.033	12:25:00	0.013	-0.020
12:30:00	0.033	12:30:00	0.010	-0.023
12:35:00	0.035	12:35:00	0.009	-0.026
12:40:00	0.031	12:40:00	0.013	-0.018

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/26/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:10:00	0.002	7:10:00	0.013	0.011
7:15:00	0.002	7:15:00	0.010	0.008
7:20:00	0.004	7:20:00	0.009	0.005
7:25:00	0.004	7:25:00	0.008	0.004
7:30:00	0.004	7:30:00	0.008	0.004
7:35:00	0.005	7:35:00	0.009	0.004
7:40:00	0.004	7:40:00	0.009	0.005
7:45:00	0.004	7:45:00	0.007	0.003
7:50:00	0.005	7:50:00	0.008	0.003
7:55:00	0.006	7:55:00	0.008	0.002
8:00:00	0.006	8:00:00	0.008	0.002
8:05:00	0.005	8:05:00	0.007	0.002
8:10:00	0.005	8:10:00	0.007	0.002
8:15:00	0.005	8:15:00	0.007	0.002
8:20:00	0.007	8:20:00	0.007	0.000
8:25:00	0.007	8:25:00	0.006	-0.001
8:30:00	0.005	8:30:00	0.007	0.002
8:35:00	0.005	8:35:00	0.008	0.003
8:40:00	0.008	8:40:00	0.008	0.000
8:45:00	0.005	8:45:00	0.007	0.002
8:50:00	0.006	8:50:00	0.008	0.002
8:55:00	0.006	8:55:00	0.008	0.002
9:00:00	0.005	9:00:00	0.009	0.004
9:05:00	0.005	9:05:00	0.008	0.003
9:10:00	0.004	9:10:00	0.007	0.003
9:15:00	0.006	9:15:00	0.006	0.000
9:20:00	0.005	9:20:00	0.006	0.001
9:25:00	0.005	9:25:00	0.005	0.000
9:30:00	0.005	9:30:00	0.006	0.001
9:35:00	0.005	9:35:00	0.008	0.003
9:40:00	0.005	9:40:00	0.006	0.001
9:45:00	0.007	9:45:00	0.006	-0.001
9:50:00	0.008	9:50:00	0.005	-0.003
9:55:00	0.007	9:55:00	0.004	-0.003
10:00:00	0.007	10:00:00	0.005	-0.002
10:05:00	0.007	10:05:00	0.005	-0.002

10:10:00	0.007	10:10:00	0.005	-0.002
10:15:00	0.027	10:15:00	0.006	-0.021
10:20:00	0.028	10:20:00	0.006	-0.022
10:25:00	0.027	10:25:00	0.005	-0.022
10:30:00	0.028	10:30:00	0.006	-0.022
10:35:00	0.025	10:35:00	0.005	-0.020
10:40:00	0.027	10:40:00	0.004	-0.023
10:45:00	0.029	10:45:00	0.004	-0.025
10:50:00	0.027	10:50:00	0.006	-0.021
10:55:00	0.030	10:55:00	0.006	-0.024
11:00:00	0.028	11:00:00	0.007	-0.021
11:05:00	0.029	11:05:00	0.006	-0.023
11:10:00	0.027	11:10:00	0.005	-0.022
11:15:00	0.027	11:15:00	0.004	-0.023
11:20:00	0.028	11:20:00	0.003	-0.025
11:25:00	0.026	11:25:00	0.004	-0.022
11:30:00	0.027	11:30:00	0.006	-0.021
11:35:00	0.027	11:35:00	0.006	-0.021
11:40:00	0.027	11:40:00	0.009	-0.018
11:45:00	0.028	11:45:00	0.008	-0.020
11:50:00	0.027	11:50:00	0.005	-0.022
11:55:00	0.026	11:55:00	0.007	-0.019
12:00:00	0.027	12:00:00	0.006	-0.021
12:05:00	0.028	12:05:00	0.004	-0.024
12:10:00	0.029	12:10:00	0.005	-0.024
12:15:00	0.028	12:15:00	0.006	-0.022
12:20:00	0.029	12:20:00	0.004	-0.025
12:25:00	0.029	12:25:00	0.004	-0.025
12:30:00	0.029	12:30:00	0.003	-0.026
12:35:00	0.029	12:35:00	0.005	-0.024
12:40:00	0.029	12:40:00	0.005	-0.024
12:45:00	0.030	12:45:00	0.006	-0.024
12:50:00	0.030	12:50:00	0.005	-0.025
12:55:00	0.030	12:55:00	0.004	-0.026
1:00:00	0.031	1:00:00	0.002	-0.029
1:05:00	0.033	1:05:00	0.003	-0.030
1:10:00	0.030	1:10:00	0.004	-0.026
1:15:00	0.030	1:15:00	0.004	-0.026
1:20:00	0.029	1:20:00	0.005	-0.024
1:25:00	0.029	1:25:00	0.005	-0.024
1:30:00	0.030	1:30:00	0.005	-0.025
1:35:00	0.031	1:35:00	0.011	-0.020
1:40:00	0.031	1:40:00	0.005	-0.026
1:45:00	0.030	1:45:00	0.004	-0.026
1:50:00	0.029	1:50:00	0.003	-0.026
1:55:00	0.028	1:55:00	0.005	-0.023
2:00:00	0.030	2:00:00	0.004	-0.026

2:05:00	0.030	2:05:00	0.005	-0.025
2:10:00	0.030	2:10:00	0.005	-0.025
2:15:00	0.029	2:15:00	0.006	-0.023
2:20:00	0.029	2:20:00	0.003	-0.026
2:25:00	0.032	2:25:00	0.003	-0.029
2:30:00	0.032	2:30:00	0.005	-0.027

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/27/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:25:00	0.031	7:25:00	0.031	0.000
7:30:00	0.028	7:30:00	0.019	-0.009
7:35:00	0.029	7:35:00	0.018	-0.011
7:40:00	0.031	7:40:00	0.016	-0.015
7:45:00	0.030	7:45:00	0.012	-0.018
7:50:00	0.031	7:50:00	0.015	-0.016
7:55:00	0.031	7:55:00	0.016	-0.015
8:00:00	0.030	8:00:00	0.016	-0.014
8:05:00	0.029	8:05:00	0.013	-0.016
8:10:00	0.028	8:10:00	0.013	-0.015
8:15:00	0.030	8:15:00	0.012	-0.018
8:20:00	0.032	8:20:00	0.011	-0.021
8:25:00	0.030	8:25:00	0.009	-0.021
8:30:00	0.030	8:30:00	0.010	-0.020
8:35:00	0.030	8:35:00	0.010	-0.020
8:40:00	0.029	8:40:00	0.009	-0.020
8:45:00	0.030	8:45:00	0.011	-0.019
8:50:00	0.030	8:50:00	0.011	-0.019
8:55:00	0.030	8:55:00	0.010	-0.020
9:00:00	0.032	9:00:00	0.013	-0.019
9:05:00	0.040	9:05:00	0.014	-0.026
9:10:00	0.030	9:10:00	0.015	-0.015
9:15:00	0.039	9:15:00	0.015	-0.024
9:20:00	0.032	9:20:00	0.016	-0.016
9:25:00	0.032	9:25:00	0.014	-0.018
9:30:00	0.031	9:30:00	0.015	-0.016
9:35:00	0.032	9:35:00	0.016	-0.016
9:40:00	0.033	9:40:00	0.010	-0.023
9:45:00	0.034	9:45:00	0.011	-0.023
9:50:00	0.035	9:50:00	0.012	-0.023
9:55:00	0.035	9:55:00	0.013	-0.022
10:00:00	0.037	10:00:00	0.012	-0.025
10:05:00	0.038	10:05:00	0.010	-0.028
10:10:00	0.040	10:10:00	0.013	-0.027
10:15:00	0.043	10:15:00	0.011	-0.032
10:20:00	0.050	10:20:00	0.011	-0.039

10:25:00	0.036	10:25:00	0.009	-0.027
10:30:00	0.036	10:30:00	0.010	-0.026
10:35:00	0.036	10:35:00	0.014	-0.022
10:40:00	0.037	10:40:00	0.015	-0.022
10:45:00	0.038	10:45:00	0.012	-0.026
10:50:00	0.039	10:50:00	0.011	-0.028
10:55:00	0.044	10:55:00	0.012	-0.032
11:00:00	0.043	11:00:00	0.016	-0.027

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/29/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:45:00	0.062	7:45:00	0.027	-0.035
7:50:00	0.060	7:50:00	0.010	-0.050
7:55:00	0.060	7:55:00	0.006	-0.054
8:00:00	0.069	8:00:00	0.005	-0.064
8:05:00	0.071	8:05:00	0.006	-0.065
8:10:00	0.065	8:10:00	0.009	-0.056
8:15:00	0.068	8:15:00	0.004	-0.064
8:20:00	0.057	8:20:00	0.003	-0.054
8:25:00	0.063	8:25:00	0.003	-0.060
8:30:00	0.064	8:30:00	0.005	-0.059
8:35:00	0.061	8:35:00	0.006	-0.055
8:40:00	0.066	8:40:00	0.004	-0.062
8:45:00	0.059	8:45:00	0.004	-0.055
8:50:00	0.059	8:50:00	0.005	-0.054
8:55:00	0.058	8:55:00	0.005	-0.053
9:00:00	0.065	9:00:00	0.008	-0.057
9:05:00	0.056	9:05:00	0.007	-0.049
9:10:00	0.058	9:10:00	0.008	-0.050
9:15:00	0.056	9:15:00	0.007	-0.049
9:20:00	0.052	9:20:00	0.007	-0.045
9:25:00	0.053	9:25:00	0.008	-0.045
9:30:00	0.055	9:30:00	0.008	-0.047
9:35:00	0.051	9:35:00	0.008	-0.043
9:40:00	0.050	9:40:00	0.008	-0.042
9:45:00	0.051	9:45:00	0.006	-0.045
9:50:00	0.049	9:50:00	0.007	-0.042
9:55:00	0.048	9:55:00	0.007	-0.041
10:00:00	0.049	10:00:00	0.007	-0.042
10:05:00	0.046	10:05:00	0.008	-0.038
10:10:00	0.045	10:10:00	0.009	-0.036
10:15:00	0.040	10:15:00	0.004	-0.036
10:20:00	0.039	10:20:00	0.018	-0.021
10:25:00	0.044	10:25:00	0.030	-0.014
10:30:00	0.048	10:30:00	0.026	-0.022
10:35:00	0.048	10:35:00	0.030	-0.018
10:40:00	0.055	10:40:00	0.027	-0.028

10:45:00	0.047	10:45:00	0.026	-0.021
10:50:00	0.045	10:50:00	0.028	-0.017
10:55:00	0.052	10:55:00	0.032	-0.020
11:00:00	0.049	11:00:00	0.029	-0.020
11:05:00	0.050	11:05:00	0.029	-0.021
11:10:00	0.052	11:10:00	0.026	-0.026
11:15:00	0.053	11:15:00	0.032	-0.021
11:20:00	0.057	11:20:00	0.028	-0.029
11:25:00	0.051	11:25:00	0.027	-0.024
11:30:00	0.051	11:30:00	0.021	-0.030
11:35:00	0.049	11:35:00	0.029	-0.020
11:40:00	0.049	11:40:00	0.021	-0.028
11:45:00	0.049	11:45:00	0.022	-0.027
11:50:00	0.045	11:50:00	0.023	-0.022
11:55:00	0.048	11:55:00	0.025	-0.023
12:00:00	0.046	12:00:00	0.029	-0.017
12:05:00	0.046	12:05:00	0.023	-0.023
12:10:00	0.044	12:10:00	0.022	-0.022
12:15:00	0.048	12:15:00	0.019	-0.029
12:20:00	0.047	12:20:00	0.014	-0.033
12:25:00	0.047	12:25:00	0.012	-0.035
12:30:00	0.042	12:30:00	0.009	-0.033
12:35:00	0.044	12:35:00	0.010	-0.034
12:40:00	0.042	12:40:00	0.013	-0.029
12:45:00	0.043	12:45:00	0.019	-0.024
12:50:00	0.047	12:50:00	0.014	-0.033
12:55:00	0.043	12:55:00	0.010	-0.033
1:00:00	0.040	1:00:00	0.007	-0.033
1:05:00	0.040	1:05:00	0.008	-0.032
1:10:00	0.037	1:10:00	0.006	-0.031
1:15:00	0.038	1:15:00	0.007	-0.031
1:20:00	0.034	1:20:00	0.006	-0.028
1:25:00	0.030	1:25:00	0.006	-0.024
1:30:00	0.036	1:30:00	0.008	-0.028
1:35:00	0.035	1:35:00	0.008	-0.027
1:40:00	0.044	1:40:00	0.008	-0.036

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/30/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:15:00	0.034	7:15:00	0.055	0.021
7:20:00	0.033	7:20:00	0.041	0.008
7:25:00	0.033	7:25:00	0.043	0.010
7:30:00	0.036	7:30:00	0.037	0.001
7:35:00	0.037	7:35:00	0.038	0.001
7:40:00	0.037	7:40:00	0.043	0.006
7:45:00	0.044	7:45:00	0.036	-0.008
7:50:00	0.040	7:50:00	0.042	0.002
7:55:00	0.039	7:55:00	0.049	0.010
8:00:00	0.036	8:00:00	0.050	0.014
8:05:00	0.038	8:05:00	0.056	0.018
8:10:00	0.037	8:10:00	0.054	0.017
8:15:00	0.037	8:15:00	0.053	0.016
8:20:00	0.034	8:20:00	0.047	0.013
8:25:00	0.038	8:25:00	0.049	0.011
8:30:00	0.043	8:30:00	0.043	0.000
8:35:00	0.037	8:35:00	0.038	0.001
8:40:00	0.041	8:40:00	0.042	0.001
8:45:00	0.036	8:45:00	0.040	0.004
8:50:00	0.039	8:50:00	0.031	-0.008
8:55:00	0.034	8:55:00	0.036	0.002
9:00:00	0.035	9:00:00	0.036	0.001
9:05:00	0.038	9:05:00	0.041	0.003
9:10:00	0.033	9:10:00	0.041	0.008
9:15:00	0.035	9:15:00	0.038	0.003
9:20:00	0.038	9:20:00	0.035	-0.003
9:25:00	0.039	9:25:00	0.034	-0.005
9:30:00	0.052	9:30:00	0.044	-0.008
9:35:00	0.043	9:35:00	0.044	0.001
9:40:00	0.036	9:40:00	0.044	0.008
9:45:00	0.035	9:45:00	0.043	0.008
9:50:00	0.040	9:50:00	0.033	-0.007
9:55:00	0.039	9:55:00	0.026	-0.013
10:00:00	0.043	10:00:00	0.028	-0.015
10:05:00	0.037	10:05:00	0.030	-0.007
10:10:00	0.039	10:10:00	0.027	-0.012

10:15:00	0.043	10:15:00	0.032	-0.011
10:20:00	0.042	10:20:00	0.033	-0.009
10:25:00	0.038	10:25:00	0.027	-0.011
10:30:00	0.041	10:30:00	0.030	-0.011
10:35:00	0.040	10:35:00	0.038	-0.002
10:40:00	0.034	10:40:00	0.029	-0.005
10:45:00	0.036	10:45:00	0.022	-0.014
10:50:00	0.037	10:50:00	0.029	-0.008
10:55:00	0.035	10:55:00	0.028	-0.007
11:00:00	0.036	11:00:00	0.035	-0.001
11:05:00	0.035	11:05:00	0.095	0.060
11:10:00	0.033	11:10:00	0.054	0.021
11:15:00	0.034	11:15:00	0.043	0.009
11:20:00	0.036	11:20:00	0.035	-0.001
11:25:00	0.036	11:25:00	0.036	0.000
11:30:00	0.038	11:30:00	0.036	-0.002
11:35:00	0.039	11:35:00	0.029	-0.010
11:40:00	0.037	11:40:00	0.033	-0.004
11:45:00	0.036	11:45:00	0.031	-0.005
11:50:00	0.034	11:50:00	0.030	-0.004
11:55:00	0.047	11:55:00	0.031	-0.016
12:00:00	0.042	12:00:00	0.036	-0.007
12:05:00	0.033	12:05:00	0.040	0.007
12:10:00	0.033	12:10:00	0.044	0.011
12:15:00	0.034	12:15:00	0.035	0.001
12:20:00	0.035	12:20:00	0.033	-0.002
12:25:00	0.035	12:25:00	0.034	-0.001
12:30:00	0.038	12:30:00	0.026	-0.012
12:35:00	0.043	12:35:00	0.023	-0.020
12:40:00	0.036	12:40:00	0.025	-0.011
12:45:00	0.034	12:45:00	0.024	-0.010
12:50:00	0.038	12:50:00	0.024	-0.014
12:55:00	0.037	12:55:00	0.027	-0.010
1:00:00	0.039	1:00:00	0.024	-0.015
1:05:00	0.036	1:05:00	0.024	-0.012
1:10:00	0.035	1:10:00	0.022	-0.013
1:15:00	0.036	1:15:00	0.020	-0.016
1:20:00	0.035	1:20:00	0.021	-0.014
1:25:00	0.042	1:25:00	0.019	-0.023

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/1/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:25:00	0.029	7:25:00	0.010	-0.019
7:30:00	0.031	7:30:00	0.008	-0.023
7:35:00	0.030	7:35:00	0.009	-0.021
7:40:00	0.038	7:40:00	0.014	-0.024
7:45:00	0.032	7:45:00	0.011	-0.021
7:50:00	0.030	7:50:00	0.010	-0.020
7:55:00	0.034	7:55:00	0.013	-0.021
8:00:00	0.031	8:00:00	0.012	-0.019
8:05:00	0.034	8:05:00	0.009	-0.025
8:10:00	0.038	8:10:00	0.009	-0.029
8:15:00	0.039	8:15:00	0.010	-0.029
8:20:00	0.036	8:20:00	0.010	-0.026
8:25:00	0.053	8:25:00	0.010	-0.043
8:30:00	0.079	8:30:00	0.012	-0.067
8:35:00	0.029	8:35:00	0.011	-0.018
8:40:00	0.032	8:40:00	0.009	-0.023
8:45:00	0.039	8:45:00	0.012	-0.028
8:50:00	0.083	8:50:00	0.011	-0.072
8:55:00	0.040	8:55:00	0.010	-0.030
9:00:00	0.027	9:00:00	0.010	-0.017
9:05:00	0.027	9:05:00	0.007	-0.020
9:10:00	0.028	9:10:00	0.011	-0.017
9:15:00	0.026	9:15:00	0.011	-0.015
9:20:00	0.026	9:20:00	0.009	-0.017
9:25:00	0.026	9:25:00	0.010	-0.016
9:30:00	0.027	9:30:00	0.011	-0.016
9:35:00	0.026	9:35:00	0.010	-0.016
9:40:00	0.027	9:40:00	0.013	-0.014
9:45:00	0.028	9:45:00	0.011	-0.018
9:50:00	0.027	9:50:00	0.015	-0.012
9:55:00	0.028	9:55:00	0.012	-0.016
10:00:00	0.028	10:00:00	0.008	-0.020
10:05:00	0.029	10:05:00	0.008	-0.021
10:10:00	0.033	10:10:00	0.008	-0.025
10:15:00	0.032	10:15:00	0.008	-0.024
10:20:00	0.031	10:20:00	0.012	-0.019

10:25:00	0.029	10:25:00	0.011	-0.018
10:30:00	0.031	10:30:00	0.008	-0.023
10:35:00	0.037	10:35:00	0.010	-0.027
10:40:00	0.039	10:40:00	0.008	-0.031
10:45:00	0.038	10:45:00	0.008	-0.030
10:50:00	0.032	10:50:00	0.005	-0.027
10:55:00	0.038	10:55:00	0.007	-0.031
11:00:00	0.036	11:00:00	0.011	-0.025
11:05:00	0.030	11:05:00	0.008	-0.022
11:10:00	0.030	11:10:00	0.008	-0.022
11:15:00	0.031	11:15:00	0.008	-0.023
11:20:00	0.034	11:20:00	0.007	-0.027
11:25:00	0.034	11:25:00	0.007	-0.027
11:30:00	0.034	11:30:00	0.010	-0.024
11:35:00	0.051	11:35:00	0.007	-0.044
11:40:00	NL	11:40:00	0.007	NM
11:45:00	NL	11:45:00	0.009	NM
11:50:00	NL	11:50:00	0.017	NM
11:55:00	NL	11:55:00	0.035	NM
12:00:00	NL	12:00:00	0.041	NM
12:05:00	NL	12:05:00	0.027	NM
12:10:00	NL	12:10:00	0.010	NM
12:15:00	NL	12:15:00	0.009	NM
12:20:00	NL	12:20:00	0.009	NM
12:25:00	NL	12:25:00	0.008	NM
12:30:00	NL	12:30:00	0.013	NM
12:35:00	NL	12:35:00	0.009	NM
12:40:00	NL	12:40:00	0.010	NM
12:45:00	NL	12:45:00	0.008	NM
12:50:00	NL	12:50:00	0.009	NM
12:55:00	NL	12:55:00	0.017	NM
1:00:00	NL	1:00:00	0.017	NM
1:05:00	NL	1:05:00	0.011	NM
1:10:00	NL	1:10:00	0.009	NM
1:15:00	NL	1:15:00	0.004	NM
1:20:00	NL	1:20:00	0.002	NM
1:25:00	NL	1:25:00	0.002	NM
1:30:00	NL	1:30:00	0.002	NM
1:35:00	NL	1:35:00	0.004	NM
1:40:00	NL	1:40:00	0.005	NM
1:45:00	NL	1:45:00	0.003	NM
1:50:00	NL	1:50:00	0.002	NM
1:55:00	NL	1:55:00	0.002	NM
2:00:00	NL	2:00:00	0.005	NM
2:05:00	NL	2:05:00	0.007	NM
2:10:00	NL	2:10:00	0.008	NM
2:15:00	NL	2:15:00	0.005	NM

2:20:00	NL	2:20:00	0.003	NM
2:25:00	NL	2:25:00	0.002	NM
2:30:00	NL	2:30:00	0.005	NM
2:35:00	NL	2:35:00	0.049	NM
2:40:00	NL	2:40:00	0.026	NM
2:45:00	NL	2:45:00	0.019	NM
2:50:00	NL	2:50:00	0.015	NM
2:55:00	NL	2:55:00	0.009	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/2/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:05:00	0.027	7:05:00	0.009	-0.018
7:10:00	0.026	7:10:00	0.003	-0.023
7:15:00	0.025	7:15:00	0.003	-0.022
7:20:00	0.027	7:20:00	0.003	-0.024
7:25:00	0.030	7:25:00	0.003	-0.027
7:30:00	0.034	7:30:00	0.005	-0.029
7:35:00	0.027	7:35:00	0.003	-0.024
7:40:00	0.026	7:40:00	0.002	-0.024
7:45:00	0.024	7:45:00	0.004	-0.020
7:50:00	0.023	7:50:00	0.003	-0.020
7:55:00	0.024	7:55:00	0.007	-0.017
8:00:00	0.023	8:00:00	0.005	-0.018
8:05:00	0.023	8:05:00	0.007	-0.017
8:10:00	0.024	8:10:00	0.007	-0.017
8:15:00	0.023	8:15:00	0.005	-0.018
8:20:00	0.023	8:20:00	0.005	-0.018
8:25:00	0.024	8:25:00	0.004	-0.020
8:30:00	0.024	8:30:00	0.006	-0.018
8:35:00	0.023	8:35:00	0.016	-0.007
8:40:00	0.023	8:40:00	0.010	-0.013
8:45:00	0.023	8:45:00	0.009	-0.015
8:50:00	0.024	8:50:00	0.007	-0.017
8:55:00	0.025	8:55:00	0.007	-0.018
9:00:00	0.031	9:00:00	0.010	-0.021
9:05:00	0.032	9:05:00	0.014	-0.018
9:10:00	0.030	9:10:00	0.047	0.017
9:15:00	0.029	9:15:00	0.002	-0.027
9:20:00	0.028	9:20:00	0.002	-0.026
9:25:00	0.027	9:25:00	0.002	-0.025
9:30:00	0.026	9:30:00	0.002	-0.024
9:35:00	0.026	9:35:00	0.002	-0.024
9:40:00	0.026	9:40:00	0.003	-0.023
9:45:00	0.025	9:45:00	0.003	-0.022
9:50:00	0.025	9:50:00	0.003	-0.022
9:55:00	0.024	9:55:00	0.003	-0.021
10:00:00	0.023	10:00:00	0.003	-0.020

10:05:00	0.023	10:05:00	0.003	-0.020
10:10:00	0.023	10:10:00	0.003	-0.020
10:15:00	0.023	10:15:00	0.003	-0.020
10:20:00	0.023	10:20:00	0.003	-0.020
10:25:00	0.023	10:25:00	0.003	-0.020
10:30:00	0.024	10:30:00	0.003	-0.021
10:35:00	0.023	10:35:00	0.003	-0.020
10:40:00	0.023	10:40:00	0.003	-0.020
10:45:00	0.023	10:45:00	0.004	-0.019
10:50:00	0.023	10:50:00	0.004	-0.019
10:55:00	0.022	10:55:00	0.004	-0.018
11:00:00	0.023	11:00:00	0.004	-0.019
11:05:00	0.024	11:05:00	0.004	-0.020
11:10:00	0.023	11:10:00	0.004	-0.019
11:15:00	0.024	11:15:00	0.004	-0.020
11:20:00	0.024	11:20:00	0.004	-0.020
11:25:00	0.029	11:25:00	0.004	-0.025
11:30:00	0.031	11:30:00	0.005	-0.026
11:35:00	0.029	11:35:00	0.005	-0.024
11:40:00	0.027	11:40:00	0.005	-0.022
11:45:00	0.026	11:45:00	0.005	-0.021
11:50:00	0.025	11:50:00	0.005	-0.020
11:55:00	0.025	11:55:00	0.005	-0.020
12:00:00	0.025	12:00:00	0.005	-0.020
12:05:00	0.025	12:05:00	0.006	-0.019
12:10:00	0.025	12:10:00	0.006	-0.019
12:15:00	0.025	12:15:00	0.006	-0.019
12:20:00	0.025	12:20:00	0.006	-0.019
12:25:00	0.024	12:25:00	0.006	-0.018
12:30:00	0.024	12:30:00	0.006	-0.018
12:35:00	0.024	12:35:00	0.006	-0.018
12:40:00	0.024	12:40:00	0.011	-0.013
12:45:00	0.023	12:45:00	0.008	-0.015
12:50:00	0.023	12:50:00	0.008	-0.015
12:55:00	0.023	12:55:00	0.007	-0.016
1:00:00	0.023	1:00:00	0.021	-0.002
1:05:00	0.023	1:05:00	0.027	0.004
1:10:00	0.023	1:10:00	0.011	-0.012
1:15:00	0.023	1:15:00	0.010	-0.013
1:20:00	0.023	1:20:00	0.009	-0.014
1:25:00	0.023	1:25:00	0.007	-0.016
1:30:00	0.024	1:30:00	0.007	-0.017
1:35:00	0.023	1:35:00	0.007	-0.016
1:40:00	0.023	1:40:00	0.008	-0.015

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/3/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:35:00	0.070	7:35:00	0.022	-0.048
7:40:00	0.074	7:40:00	0.021	-0.053
7:45:00	0.116	7:45:00	0.031	-0.085
7:50:00	0.072	7:50:00	0.022	-0.050
7:55:00	0.049	7:55:00	0.018	-0.031
8:00:00	0.056	8:00:00	0.021	-0.035
8:05:00	0.048	8:05:00	0.016	-0.032
8:10:00	0.072	8:10:00	0.019	-0.053
8:15:00	0.075	8:15:00	0.014	-0.061
8:20:00	0.082	8:20:00	0.015	-0.067
8:25:00	0.084	8:25:00	0.012	-0.072
8:30:00	0.088	8:30:00	0.018	-0.070
8:35:00	0.081	8:35:00	0.012	-0.069
8:40:00	0.056	8:40:00	0.010	-0.046
8:45:00	0.084	8:45:00	0.010	-0.074
8:50:00	0.056	8:50:00	0.014	-0.042
8:55:00	0.062	8:55:00	0.016	-0.046
9:00:00	0.042	9:00:00	0.016	-0.026
9:05:00	0.036	9:05:00	0.014	-0.022
9:10:00	0.034	9:10:00	0.012	-0.022
9:15:00	0.032	9:15:00	0.012	-0.020
9:20:00	0.033	9:20:00	0.014	-0.019
9:25:00	0.031	9:25:00	0.012	-0.019
9:30:00	0.032	9:30:00	0.015	-0.017
9:35:00	0.031	9:35:00	0.012	-0.019
9:40:00	0.034	9:40:00	0.015	-0.019
9:45:00	0.041	9:45:00	0.011	-0.030
9:50:00	0.033	9:50:00	0.011	-0.022
9:55:00	0.031	9:55:00	0.010	-0.021
10:00:00	0.033	10:00:00	0.012	-0.021
10:05:00	0.033	10:05:00	0.008	-0.025
10:10:00	0.033	10:10:00	0.011	-0.022
10:15:00	0.064	10:15:00	0.008	-0.056
10:20:00	0.092	10:20:00	0.012	-0.080
10:25:00	0.025	10:25:00	0.010	-0.015
10:30:00	0.025	10:30:00	0.017	-0.008

10:35:00	0.024	10:35:00	0.008	-0.016
10:40:00	0.023	10:40:00	0.006	-0.017
10:45:00	0.023	10:45:00	0.004	-0.019
10:50:00	0.023	10:50:00	0.003	-0.020
10:55:00	0.023	10:55:00	0.003	-0.020
11:00:00	0.023	11:00:00	0.002	-0.021
11:05:00	0.023	11:05:00	0.002	-0.021
11:10:00	0.024	11:10:00	0.005	-0.019
11:15:00	0.023	11:15:00	0.004	-0.019
11:20:00	0.023	11:20:00	0.004	-0.019
11:25:00	0.023	11:25:00	0.002	-0.021
11:30:00	0.023	11:30:00	0.002	-0.021
11:35:00	0.022	11:35:00	0.002	-0.020
11:40:00	0.023	11:40:00	0.003	-0.020
11:45:00	0.024	11:45:00	0.002	-0.022
11:50:00	0.023	11:50:00	0.005	-0.018
11:55:00	0.024	11:55:00	0.004	-0.020
12:00:00	0.024	12:00:00	0.008	-0.016
12:05:00	0.029	12:05:00	0.003	-0.026
12:10:00	0.031	12:10:00	0.004	-0.027
12:15:00	0.029	12:15:00	0.007	-0.022
12:20:00	0.027	12:20:00	0.003	-0.024
12:25:00	0.026	12:25:00	0.003	-0.023
12:30:00	0.025	12:30:00	0.002	-0.023
12:35:00	0.025	12:35:00	0.002	-0.023
12:40:00	0.025	12:40:00	0.002	-0.023
12:45:00	0.025	12:45:00	0.002	-0.023
12:50:00	0.025	12:50:00	0.010	-0.015
12:55:00	0.025	12:55:00	0.003	-0.022
1:00:00	0.025	1:00:00	0.002	-0.023
1:05:00	0.024	1:05:00	0.003	-0.021
1:10:00	0.024	1:10:00	0.005	-0.019
1:15:00	0.024	1:15:00	0.001	-0.023
1:20:00	0.024	1:20:00	0.001	-0.023
1:25:00	0.023	1:25:00	0.003	-0.020
1:30:00	0.023	1:30:00	0.006	-0.017
1:35:00	0.023	1:35:00	0.006	-0.017
1:40:00	0.023	1:40:00	0.003	-0.020
1:45:00	0.023	1:45:00	0.003	-0.020
1:50:00	0.023	1:50:00	0.003	-0.020
1:55:00	0.023	1:55:00	0.002	-0.021
2:00:00	0.023	2:00:00	0.003	-0.020
2:05:00	0.023	2:05:00	0.014	-0.009
2:10:00	0.024	2:10:00	0.016	-0.008
2:15:00	0.023	2:15:00	0.015	-0.008
2:20:00	0.023	2:20:00	0.021	-0.002

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/6/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:15:00	0.010	7:15:00	0.002	-0.008
7:20:00	0.010	7:20:00	0.046	0.036
7:25:00	0.008	7:25:00	0.026	0.018
7:30:00	0.009	7:30:00	0.011	0.002
7:35:00	0.008	7:35:00	0.009	0.001
7:40:00	0.010	7:40:00	0.008	-0.002
7:45:00	0.016	7:45:00	0.007	-0.009
7:50:00	0.011	7:50:00	0.007	-0.004
7:55:00	0.010	7:55:00	0.007	-0.003
8:00:00	0.009	8:00:00	0.008	-0.001
8:05:00	0.009	8:05:00	0.008	-0.001
8:10:00	0.011	8:10:00	0.008	-0.003
8:15:00	0.009	8:15:00	0.009	0.000
8:20:00	0.014	8:20:00	0.008	-0.006
8:25:00	0.010	8:25:00	0.008	-0.002
8:30:00	0.011	8:30:00	0.009	-0.002
8:35:00	0.011	8:35:00	0.010	-0.001
8:40:00	0.009	8:40:00	0.009	0.000
8:45:00	0.010	8:45:00	0.008	-0.002
8:50:00	0.008	8:50:00	0.007	-0.001
8:55:00	0.011	8:55:00	0.032	0.021
9:00:00	0.011	9:00:00	0.018	0.007
9:05:00	0.009	9:05:00	0.010	0.001
9:10:00	0.010	9:10:00	0.009	-0.001
9:15:00	0.008	9:15:00	0.007	-0.001
9:20:00	0.008	9:20:00	0.008	0.000
9:25:00	0.009	9:25:00	0.009	0.000
9:30:00	0.009	9:30:00	0.011	0.002
9:35:00	0.009	9:35:00	0.010	0.001
9:40:00	0.009	9:40:00	0.011	0.002
9:45:00	0.010	9:45:00	0.013	0.003
9:50:00	0.010	9:50:00	0.011	0.001
9:55:00	0.010	9:55:00	0.011	0.001
10:00:00	0.007	10:00:00	0.013	0.006
10:05:00	0.007	10:05:00	0.011	0.004
10:10:00	0.008	10:10:00	0.009	0.001

10:15:00	0.008	10:15:00	0.008	0.000
10:20:00	0.008	10:20:00	0.006	-0.002
10:25:00	0.007	10:25:00	0.005	-0.002
10:30:00	0.008	10:30:00	0.005	-0.003
10:35:00	0.008	10:35:00	0.005	-0.003
10:40:00	0.010	10:40:00	0.005	-0.005
10:45:00	0.010	10:45:00	0.018	0.008
10:50:00	0.011	10:50:00	0.005	-0.006
10:55:00	0.011	10:55:00	0.009	-0.002
11:00:00	0.018	11:00:00	0.006	-0.012
11:05:00	0.010	11:05:00	0.007	-0.003
11:10:00	0.010	11:10:00	0.008	-0.002
11:15:00	0.009	11:15:00	0.006	-0.003
11:20:00	0.011	11:20:00	0.006	-0.005
11:25:00	0.012	11:25:00	0.007	-0.005
11:30:00	0.012	11:30:00	0.006	-0.006
11:35:00	0.011	11:35:00	0.008	-0.003
11:40:00	0.010	11:40:00	0.007	-0.003
11:45:00	0.010	11:45:00	0.012	0.002
11:50:00	0.009	11:50:00	0.007	-0.002
11:55:00	0.012	11:55:00	0.009	-0.003
12:00:00	0.018	12:00:00	0.006	-0.012
12:05:00	0.013	12:05:00	0.005	-0.008
12:10:00	0.012	12:10:00	0.005	-0.007
12:15:00	0.008	12:15:00	0.006	-0.002
12:20:00	0.009	12:20:00	0.005	-0.004
12:25:00	0.007	12:25:00	0.006	-0.001
12:30:00	0.006	12:30:00	0.006	0.000
12:35:00	0.012	12:35:00	0.004	-0.008
12:40:00	0.007	12:40:00	0.004	-0.003
12:45:00	0.023	12:45:00	0.004	-0.019
12:50:00	0.012	12:50:00	0.004	-0.008
12:55:00	0.012	12:55:00	0.004	-0.008
13:00:00	0.009	13:00:00	0.006	-0.003
13:05:00	0.009	13:05:00	0.004	-0.005
13:10:00	0.009	13:10:00	0.004	-0.005
13:15:00	0.010	13:15:00	0.004	-0.006
13:20:00	0.007	13:20:00	0.005	-0.002
13:25:00	0.010	13:25:00	0.005	-0.005
13:30:00	0.011	13:30:00	0.005	-0.006
13:35:00	0.013	13:35:00	0.005	-0.008
13:40:00	0.010	13:40:00	0.006	-0.004
13:45:00	0.009	13:45:00	0.005	-0.004
13:50:00	0.007	13:50:00	0.006	-0.001
13:55:00	0.009	13:55:00	0.006	-0.003
14:00:00	0.007	14:00:00	0.011	0.004
14:05:00	0.006	14:05:00	0.009	0.003

14:10:00	0.009	14:10:00	0.006	-0.003
14:15:00	0.009	14:15:00	0.009	0.000
14:20:00	0.009	14:20:00	0.008	-0.001
14:25:00	0.010	14:25:00	0.009	-0.001
14:30:00	0.012	14:30:00	0.008	-0.004
14:35:00	0.013	14:35:00	0.009	-0.004
14:40:00	0.011	14:40:00	0.025	0.014
14:45:00	0.011	14:45:00	0.021	0.010

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/7/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
6:55:00	0.009	6:55:00	0.024	0.015
7:00:00	0.003	7:00:00	0.019	0.016
7:05:00	0.002	7:05:00	0.022	0.020
7:10:00	0.002	7:10:00	0.029	0.027
7:15:00	0.001	7:15:00	0.033	0.032
7:20:00	0.014	7:20:00	0.035	0.021
7:25:00	0.004	7:25:00	0.057	0.053
7:30:00	0.002	7:30:00	0.052	0.050
7:35:00	0.003	7:35:00	0.028	0.025
7:40:00	0.004	7:40:00	0.023	0.019
7:45:00	0.002	7:45:00	0.024	0.022
7:50:00	0.002	7:50:00	0.060	0.058
7:55:00	0.002	7:55:00	0.092	0.090
8:00:00	0.001	8:00:00	0.065	0.064
8:05:00	0.002	8:05:00	0.057	0.055
8:10:00	0.005	8:10:00	0.049	0.044
8:15:00	0.002	8:15:00	0.074	0.072
8:20:00	0.002	8:20:00	0.039	0.037
8:25:00	0.002	8:25:00	0.029	0.027
8:30:00	0.002	8:30:00	0.055	0.053
8:35:00	0.003	8:35:00	0.037	0.034
8:40:00	0.003	8:40:00	0.103	0.100
8:45:00	0.002	8:45:00	0.017	0.015
8:50:00	0.002	8:50:00	0.012	0.010
8:55:00	0.001	8:55:00	0.011	0.010
9:00:00	0.001	9:00:00	0.012	0.011
9:05:00	0.001	9:05:00	0.022	0.021
9:10:00	0.001	9:10:00	0.021	0.020
9:15:00	0.001	9:15:00	0.024	0.023
9:20:00	0.002	9:20:00	0.012	0.010
9:25:00	0.001	9:25:00	0.012	0.011
9:30:00	0.001	9:30:00	0.016	0.015
9:35:00	0.001	9:35:00	0.016	0.015
9:40:00	0.001	9:40:00	0.009	0.008
9:45:00	0.004	9:45:00	0.011	0.007
9:50:00	0.001	9:50:00	0.014	0.013

9:55:00	0.001	9:55:00	0.012	0.011
10:00:00	0.001	10:00:00	0.017	0.016
10:05:00	0.001	10:05:00	0.023	0.022
10:10:00	0.001	10:10:00	0.016	0.015
10:15:00	0.001	10:15:00	0.015	0.014
10:20:00	0.003	10:20:00	0.015	0.012
10:25:00	0.002	10:25:00	0.014	0.012
10:30:00	0.001	10:30:00	0.019	0.018
10:35:00	0.001	10:35:00	0.015	0.014
10:40:00	0.002	10:40:00	0.014	0.012
10:45:00	0.002	10:45:00	0.019	0.017
10:50:00	0.001	10:50:00	0.019	0.018
10:55:00	0.003	10:55:00	0.013	0.010
11:00:00	0.001	11:00:00	0.017	0.016
11:05:00	0.001	11:05:00	0.019	0.018
11:10:00	0.001	11:10:00	0.016	0.015
11:15:00	0.001	11:15:00	0.014	0.013
11:20:00	0.001	11:20:00	0.016	0.015
11:25:00	0.001	11:25:00	0.016	0.015
11:30:00	0.001	11:30:00	0.014	0.013
11:35:00	0.001	11:35:00	0.019	0.018
11:40:00	0.001	11:40:00	0.020	0.019
11:45:00	0.001	11:45:00	0.020	0.019
11:50:00	0.001	11:50:00	0.016	0.015
11:55:00	0.001	11:55:00	0.018	0.017
12:00:00	0.003	12:00:00	0.054	0.051
12:05:00	0.002	12:05:00	0.014	0.012
12:10:00	0.001	12:10:00	0.019	0.018
12:15:00	0.001	12:15:00	0.019	0.018
12:20:00	0.001	12:20:00	0.019	0.018
12:25:00	0.001	12:25:00	0.016	0.015
12:30:00	0.001	12:30:00	0.012	0.011
12:35:00	0.006	12:35:00	0.014	0.008
12:40:00	0.002	12:40:00	0.023	0.021
12:45:00	0.001	12:45:00	0.013	0.012
12:50:00	0.000	12:50:00	0.015	0.015
12:55:00	0.001	12:55:00	0.023	0.022
13:00:00	0.001	13:00:00	0.019	0.018
13:05:00	0.001	13:05:00	0.020	0.019
13:10:00	0.001	13:10:00	0.018	0.017
13:15:00	0.002	13:15:00	0.023	0.021
13:20:00	0.001	13:20:00	0.013	0.012
13:25:00	0.000	13:25:00	0.014	0.014
13:30:00	0.001	13:30:00	0.015	0.014
13:35:00	0.000	13:35:00	0.013	0.013
13:40:00	0.001	13:40:00	0.014	0.013
13:45:00	0.001	13:45:00	0.021	0.020

13:50:00	0.003	13:50:00	0.015	0.012
13:55:00	0.001	13:55:00	0.014	0.013
14:00:00	0.001	14:00:00	0.012	0.011
14:05:00	0.001	14:05:00	0.013	0.012
14:10:00	0.001	14:10:00	0.011	0.010
14:15:00	0.003	14:15:00	0.016	0.013

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/8/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:15:00	0.032	7:15:00	0.021	-0.011
7:20:00	0.020	7:20:00	0.012	-0.008
7:25:00	0.015	7:25:00	0.013	-0.002
7:30:00	0.012	7:30:00	0.011	-0.001
7:35:00	0.010	7:35:00	0.010	0.000
7:40:00	0.009	7:40:00	0.012	0.003
7:45:00	0.008	7:45:00	0.012	0.004
7:50:00	0.009	7:50:00	0.018	0.009
7:55:00	0.007	7:55:00	0.014	0.007
8:00:00	0.006	8:00:00	0.015	0.009
8:05:00	0.007	8:05:00	0.013	0.006
8:10:00	0.007	8:10:00	0.016	0.009
8:15:00	0.006	8:15:00	0.015	0.009
8:20:00	0.007	8:20:00	0.015	0.008
8:25:00	0.006	8:25:00	0.015	0.009
8:30:00	0.006	8:30:00	0.016	0.010
8:35:00	0.006	8:35:00	0.015	0.009
8:40:00	0.005	8:40:00	0.015	0.010
8:45:00	0.005	8:45:00	0.012	0.007
8:50:00	0.008	8:50:00	0.013	0.005
8:55:00	0.024	8:55:00	0.013	-0.011
9:00:00	0.017	9:00:00	0.015	-0.002
9:05:00	0.013	9:05:00	0.011	-0.002
9:10:00	0.010	9:10:00	0.011	0.001
9:15:00	0.008	9:15:00	0.011	0.003
9:20:00	0.007	9:20:00	0.012	0.005
9:25:00	0.006	9:25:00	0.012	0.006
9:30:00	0.006	9:30:00	0.012	0.006
9:35:00	0.007	9:35:00	0.010	0.003
9:40:00	0.006	9:40:00	0.009	0.003
9:45:00	0.005	9:45:00	0.009	0.004
9:50:00	0.006	9:50:00	0.009	0.003
9:55:00	0.005	9:55:00	0.009	0.004
10:00:00	0.024	10:00:00	0.009	-0.015
10:05:00	0.019	10:05:00	0.008	-0.011
10:10:00	0.014	10:10:00	0.010	-0.004

10:15:00	0.011	10:15:00	0.015	0.004
10:20:00	0.009	10:20:00	0.008	-0.001
10:25:00	0.008	10:25:00	0.010	0.002
10:30:00	0.006	10:30:00	0.009	0.003
10:35:00	0.005	10:35:00	0.014	0.009
10:40:00	0.005	10:40:00	0.009	0.004
10:45:00	0.006	10:45:00	0.012	0.006
10:50:00	0.008	10:50:00	0.009	0.001
10:55:00	0.007	10:55:00	0.011	0.004
11:00:00	0.007	11:00:00	0.015	0.008
11:05:00	0.007	11:05:00	0.016	0.009
11:10:00	0.006	11:10:00	0.012	0.006
11:15:00	0.005	11:15:00	0.011	0.006
11:20:00	0.006	11:20:00	0.010	0.004
11:25:00	0.021	11:25:00	0.011	-0.010
11:30:00	0.021	11:30:00	0.014	-0.007
11:35:00	0.016	11:35:00	0.018	0.002
11:40:00	0.014	11:40:00	0.012	-0.002
11:45:00	0.012	11:45:00	0.012	0.000
11:50:00	0.011	11:50:00	0.014	0.003
11:55:00	0.009	11:55:00	0.013	0.004
12:00:00	0.009	12:00:00	0.012	0.003
12:05:00	0.008	12:05:00	0.012	0.004
12:10:00	0.007	12:10:00	0.016	0.009
12:15:00	0.006	12:15:00	0.011	0.005
12:20:00	0.006	12:20:00	0.009	0.003
12:25:00	0.006	12:25:00	0.011	0.005
12:30:00	0.005	12:30:00	0.010	0.005
12:35:00	0.006	12:35:00	0.012	0.006
12:40:00	0.007	12:40:00	0.007	0.000
12:45:00	0.007	12:45:00	0.010	0.003
12:50:00	0.005	12:50:00	0.014	0.009
12:55:00	0.006	12:55:00	0.014	0.008
13:00:00	0.005	13:00:00	0.012	0.007
13:05:00	0.005	13:05:00	0.017	0.012
13:10:00	0.004	13:10:00	0.010	0.006
13:15:00	0.005	13:15:00	0.009	0.004
13:20:00	0.005	13:20:00	0.011	0.006
13:25:00	0.004	13:25:00	0.013	0.009
13:30:00	0.004	13:30:00	0.022	0.018
13:35:00	0.004	13:35:00	0.009	0.005
13:40:00	0.004	13:40:00	0.011	0.007
13:45:00	0.007	13:45:00	0.010	0.003
13:50:00	0.006	13:50:00	0.009	0.003
13:55:00	0.006	13:55:00	0.008	0.002
14:00:00	0.005	14:00:00	0.009	0.004
14:05:00	0.005	14:05:00	0.009	0.004

14:10:00	0.006	14:10:00	0.009	0.003
14:15:00	0.005	14:15:00	0.010	0.005
14:20:00	0.004	14:20:00	0.010	0.006
14:25:00	0.004	14:25:00	0.010	0.006
14:30:00	0.006	14:30:00	0.012	0.006
14:35:00	0.005	14:35:00	0.010	0.005
14:40:00	0.004	14:40:00	0.034	0.030
14:45:00	0.006	14:45:00	0.023	0.017
14:50:00	0.005	14:50:00	0.030	0.025
14:55:00	0.005	14:55:00	0.029	0.024

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/9/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:10:00	0.027	7:10:00	0.013	-0.014
7:15:00	0.016	7:15:00	0.009	-0.007
7:20:00	0.010	7:20:00	0.009	-0.001
7:25:00	0.006	7:25:00	0.009	0.003
7:30:00	0.004	7:30:00	0.010	0.006
7:35:00	0.003	7:35:00	0.010	0.007
7:40:00	0.003	7:40:00	0.006	0.003
7:45:00	0.002	7:45:00	0.005	0.003
7:50:00	0.002	7:50:00	0.005	0.003
7:55:00	0.001	7:55:00	0.006	0.005
8:00:00	0.002	8:00:00	0.006	0.004
8:05:00	0.001	8:05:00	0.006	0.005
8:10:00	0.001	8:10:00	0.008	0.007
8:15:00	0.001	8:15:00	0.006	0.005
8:20:00	0.001	8:20:00	0.007	0.006
8:25:00	0.001	8:25:00	0.006	0.005
8:30:00	0.001	8:30:00	0.006	0.005
8:35:00	0.001	8:35:00	0.006	0.005
8:40:00	0.001	8:40:00	0.007	0.006
8:45:00	0.001	8:45:00	0.007	0.006
8:50:00	0.001	8:50:00	0.006	0.005
8:55:00	0.001	8:55:00	0.006	0.005
9:00:00	0.001	9:00:00	0.006	0.005
9:05:00	0.001	9:05:00	0.007	0.006
9:10:00	0.000	9:10:00	0.006	0.006
9:15:00	0.000	9:15:00	0.005	0.005
9:20:00	0.000	9:20:00	0.006	0.006
9:25:00	0.001	9:25:00	0.006	0.005
9:30:00	0.001	9:30:00	0.007	0.006
9:35:00	0.001	9:35:00	0.006	0.005
9:40:00	0.000	9:40:00	0.008	0.008
9:45:00	0.000	9:45:00	0.005	0.005
9:50:00	0.000	9:50:00	0.005	0.005
9:55:00	0.001	9:55:00	0.005	0.004
10:00:00	0.002	10:00:00	0.006	0.004
10:05:00	0.003	10:05:00	0.005	0.002

10:10:00	0.003	10:10:00	0.006	0.003
10:15:00	0.003	10:15:00	0.006	0.003
10:20:00	0.004	10:20:00	0.007	0.003
10:25:00	0.004	10:25:00	0.007	0.003
10:30:00	0.004	10:30:00	0.008	0.004
10:35:00	0.004	10:35:00	0.006	0.002
10:40:00	0.004	10:40:00	0.006	0.002
10:45:00	0.003	10:45:00	0.009	0.006
10:50:00	0.003	10:50:00	0.006	0.003
10:55:00	0.002	10:55:00	0.008	0.006
11:00:00	0.003	11:00:00	0.006	0.003
11:05:00	0.004	11:05:00	0.009	0.005
11:10:00	0.003	11:10:00	0.006	0.003
11:15:00	0.003	11:15:00	0.006	0.003
11:20:00	0.003	11:20:00	0.006	0.003
11:25:00	0.003	11:25:00	0.008	0.005
11:30:00	0.002	11:30:00	0.007	0.005
11:35:00	0.002	11:35:00	0.008	0.006
11:40:00	0.002	11:40:00	0.006	0.004
11:45:00	0.002	11:45:00	0.007	0.005
11:50:00	0.001	11:50:00	0.006	0.005
11:55:00	0.001	11:55:00	0.006	0.005
12:00:00	0.001	12:00:00	0.006	0.005
12:05:00	0.004	12:05:00	0.007	0.003
12:10:00	0.009	12:10:00	0.004	-0.005
12:15:00	0.007	12:15:00	0.008	0.001
12:20:00	0.006	12:20:00	0.008	0.002
12:25:00	0.005	12:25:00	0.010	0.005
12:30:00	0.004	12:30:00	0.004	0.000
12:35:00	0.003	12:35:00	0.004	0.001
12:40:00	0.008	12:40:00	0.024	0.016
12:45:00	0.008	12:45:00	0.004	-0.004
12:50:00	0.008	12:50:00	0.003	-0.005
12:55:00	0.008	12:55:00	0.003	-0.005
13:00:00	0.034	13:00:00	0.005	-0.029
13:05:00	0.024	13:05:00	0.002	-0.022
13:10:00	0.019	13:10:00	0.002	-0.017
13:15:00	0.015	13:15:00	0.005	-0.010
13:20:00	0.014	13:20:00	0.005	-0.009
13:25:00	0.012	13:25:00	0.007	-0.005
13:30:00	0.011	13:30:00	0.007	-0.004
13:35:00	0.010	13:35:00	0.008	-0.002
13:40:00	0.010	13:40:00	0.013	0.003
13:45:00	0.010	13:45:00	0.008	-0.002
13:50:00	0.009	13:50:00	0.009	0.000
13:55:00	0.009	13:55:00	0.028	0.019
14:00:00	0.008	14:00:00	0.010	0.002

14:05:00	0.008	14:05:00	0.005	-0.003
14:10:00	0.008	14:10:00	0.007	-0.001
14:15:00	0.007	14:15:00	0.078	0.071
14:20:00	0.007	14:20:00	0.062	0.055

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/10/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:30:00	0.007	7:30:00	0.012	0.005
7:35:00	0.006	7:35:00	0.005	-0.001
7:40:00	0.003	7:40:00	0.004	0.001
7:45:00	0.004	7:45:00	0.004	0.000
7:50:00	0.004	7:50:00	0.003	-0.001
7:55:00	0.004	7:55:00	0.004	0.000
8:00:00	0.004	8:00:00	0.003	-0.001
8:05:00	0.006	8:05:00	0.004	-0.002
8:10:00	0.005	8:10:00	0.003	-0.002
8:15:00	0.004	8:15:00	0.004	0.000
8:20:00	0.008	8:20:00	0.004	-0.004
8:25:00	0.004	8:25:00	0.006	0.002
8:30:00	0.004	8:30:00	0.004	0.000
8:35:00	0.004	8:35:00	0.003	-0.001
8:40:00	0.005	8:40:00	0.004	-0.001
8:45:00	0.004	8:45:00	0.021	0.017
8:50:00	0.004	8:50:00	0.041	0.037
8:55:00	0.007	8:55:00	0.022	0.015
9:00:00	0.005	9:00:00	0.004	-0.001
9:05:00	0.004	9:05:00	0.003	-0.001
9:10:00	0.003	9:10:00	0.003	0.000
9:15:00	0.002	9:15:00	0.005	0.003
9:20:00	0.003	9:20:00	0.006	0.003
9:25:00	0.002	9:25:00	0.008	0.006
9:30:00	0.004	9:30:00	0.009	0.005
9:35:00	0.005	9:35:00	0.007	0.002
9:40:00	0.003	9:40:00	0.010	0.007
9:45:00	0.003	9:45:00	0.009	0.006
9:50:00	0.003	9:50:00	0.006	0.003
9:55:00	0.003	9:55:00	0.006	0.003
10:00:00	0.005	10:00:00	0.010	0.005
10:05:00	0.004	10:05:00	0.022	0.018
10:10:00	0.006	10:10:00	0.012	0.006
10:15:00	0.004	10:15:00	0.009	0.005
10:20:00	0.005	10:20:00	0.007	0.002
10:25:00	0.004	10:25:00	0.005	0.001

10:30:00	0.009	10:30:00	0.007	-0.002
10:35:00	0.004	10:35:00	0.011	0.007
10:40:00	0.003	10:40:00	0.009	0.006
10:45:00	0.004	10:45:00	0.009	0.005
10:50:00	0.007	10:50:00	0.009	0.002
10:55:00	0.005	10:55:00	0.009	0.004
11:00:00	0.009	11:00:00	0.007	-0.002
11:05:00	0.006	11:05:00	0.009	0.003
11:10:00	0.010	11:10:00	0.006	-0.004
11:15:00	0.007	11:15:00	0.005	-0.002
11:20:00	0.004	11:20:00	0.010	0.006
11:25:00	0.006	11:25:00	0.013	0.007
11:30:00	0.006	11:30:00	0.006	0.000
11:35:00	0.006	11:35:00	0.003	-0.003
11:40:00	0.007	11:40:00	0.003	-0.004
11:45:00	0.007	11:45:00	0.002	-0.005
11:50:00	0.007	11:50:00	0.002	-0.005
11:55:00	0.007	11:55:00	0.004	-0.003
12:00:00	0.017	12:00:00	0.004	-0.013
12:05:00	0.008	12:05:00	0.006	-0.002
12:10:00	0.010	12:10:00	0.003	-0.007
12:15:00	0.007	12:15:00	0.009	0.002
12:20:00	0.007	12:20:00	0.008	0.001
12:25:00	0.007	12:25:00	0.007	0.000
12:30:00	0.008	12:30:00	0.016	0.008
12:35:00	0.009	12:35:00	0.006	-0.003
12:40:00	0.007	12:40:00	0.003	-0.004
12:45:00	0.011	12:45:00	0.002	-0.009
12:50:00	0.007	12:50:00	0.002	-0.005
12:55:00	0.008	12:55:00	0.004	-0.004
13:00:00	0.015	13:00:00	0.007	-0.008
13:05:00	0.012	13:05:00	0.006	-0.006
13:10:00	0.010	13:10:00	0.004	-0.006
13:15:00	0.017	13:15:00	0.003	-0.014
13:20:00	0.010	13:20:00	0.003	-0.007
13:25:00	0.008	13:25:00	0.004	-0.004
13:30:00	0.008	13:30:00	0.007	-0.001
13:35:00	0.033	13:35:00	0.007	-0.026
13:40:00	0.028	13:40:00	0.007	-0.021
13:45:00	0.028	13:45:00	0.008	-0.020
13:50:00	0.027	13:50:00	0.007	-0.020
13:55:00	0.027	13:55:00	0.008	-0.019
14:00:00	0.029	14:00:00	0.008	-0.021
14:05:00	0.028	14:05:00	0.006	-0.022
14:10:00	0.031	14:10:00	0.007	-0.024
14:15:00	0.033	14:15:00	0.006	-0.027
14:20:00	0.028	14:20:00	0.009	-0.019

14:25:00	0.032	14:25:00	0.011	-0.021
14:30:00	0.033	14:30:00	0.023	-0.010
14:35:00	0.029	14:35:00	0.012	-0.017

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/13/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:10:00	0.003	7:10:00	0.031	0.028
7:15:00	0.002	7:15:00	0.020	0.018
7:20:00	0.001	7:20:00	0.020	0.019
7:25:00	0.001	7:25:00	0.026	0.025
7:30:00	0.026	7:30:00	0.030	0.004
7:35:00	0.067	7:35:00	0.023	-0.044
7:40:00	0.003	7:40:00	0.019	0.016
7:45:00	0.006	7:45:00	0.020	0.014
7:50:00	0.005	7:50:00	0.023	0.018
7:55:00	0.002	7:55:00	0.033	0.031
8:00:00	0.009	8:00:00	0.027	0.018
8:05:00	0.001	8:05:00	0.018	0.017
8:10:00	0.001	8:10:00	0.029	0.028
8:15:00	0.001	8:15:00	0.023	0.022
8:20:00	0.000	8:20:00	0.023	0.023
8:25:00	0.001	8:25:00	0.022	0.021
8:30:00	0.000	8:30:00	0.035	0.035
8:35:00	0.000	8:35:00	0.028	0.028
8:40:00	0.004	8:40:00	0.012	0.008
8:45:00	0.001	8:45:00	0.010	0.009
8:50:00	0.000	8:50:00	0.009	0.009
8:55:00	0.002	8:55:00	0.008	0.006
9:00:00	0.001	9:00:00	0.007	0.006
9:05:00	0.001	9:05:00	0.007	0.006
9:10:00	0.001	9:10:00	0.006	0.005
9:15:00	0.002	9:15:00	0.007	0.005
9:20:00	0.001	9:20:00	0.007	0.006
9:25:00	0.001	9:25:00	0.008	0.007
9:30:00	0.007	9:30:00	0.007	0.000
9:35:00	0.002	9:35:00	0.008	0.006
9:40:00	0.002	9:40:00	0.008	0.006
9:45:00	0.001	9:45:00	0.008	0.007
9:50:00	0.001	9:50:00	0.010	0.009
9:55:00	0.001	9:55:00	0.010	0.009
10:00:00	0.002	10:00:00	0.010	0.008
10:05:00	0.005	10:05:00	0.011	0.006

10:10:00	0.003	10:10:00	0.013	0.010
10:15:00	0.004	10:15:00	0.015	0.011
10:20:00	0.003	10:20:00	0.021	0.018
10:25:00	0.004	10:25:00	0.021	0.017
10:30:00	0.002	10:30:00	0.018	0.016
10:35:00	0.010	10:35:00	0.019	0.009
10:40:00	0.008	10:40:00	0.022	0.014
10:45:00	0.004	10:45:00	0.027	0.023
10:50:00	0.004	10:50:00	0.026	0.022
10:55:00	0.003	10:55:00	0.023	0.020
11:00:00	0.005	11:00:00	0.027	0.022
11:05:00	0.005	11:05:00	0.030	0.025
11:10:00	0.003	11:10:00	0.031	0.028
11:15:00	0.004	11:15:00	0.032	0.028
11:20:00	0.004	11:20:00	0.023	0.019
11:25:00	0.003	11:25:00	0.018	0.015
11:30:00	0.004	11:30:00	0.019	0.015
11:35:00	0.006	11:35:00	0.015	0.009
11:40:00	0.003	11:40:00	0.014	0.011
11:45:00	0.009	11:45:00	0.013	0.004
11:50:00	0.006	11:50:00	0.015	0.009
11:55:00	0.006	11:55:00	0.012	0.006
12:00:00	0.014	12:00:00	0.012	-0.002
12:05:00	0.117	12:05:00	0.014	-0.103
12:10:00	0.025	12:10:00	0.018	-0.007
12:15:00	0.268	12:15:00	0.025	-0.243
12:20:00	0.012	12:20:00	0.013	0.001
12:25:00	0.056	12:25:00	0.009	-0.047
12:30:00	0.022	12:30:00	0.009	-0.013
12:35:00	0.007	12:35:00	0.010	0.003
12:40:00	0.007	12:40:00	0.008	0.001
12:45:00	0.010	12:45:00	0.008	-0.002
12:50:00	0.005	12:50:00	0.007	0.002
12:55:00	0.034	12:55:00	0.010	-0.024
13:00:00	0.016	13:00:00	0.013	-0.003
13:05:00	0.013	13:05:00	0.011	-0.002
13:10:00	0.007	13:10:00	0.016	0.009
13:15:00	0.017	13:15:00	0.016	-0.001
13:20:00	0.053	13:20:00	0.015	-0.038
13:25:00	0.012	13:25:00	0.015	0.003
13:30:00	0.004	13:30:00	0.014	0.010
13:35:00	0.003	13:35:00	0.014	0.011
13:40:00	0.005	13:40:00	0.014	0.009
13:45:00	0.004	13:45:00	0.013	0.009
13:50:00	0.004	13:50:00	0.014	0.010
13:55:00	0.004	13:55:00	0.015	0.011
14:00:00	0.004	14:00:00	0.014	0.010

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/14/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:15:00	0.007	7:15:00	0.030	0.023
7:20:00	0.002	7:20:00	0.012	0.010
7:25:00	0.006	7:25:00	0.008	0.002
7:30:00	0.004	7:30:00	0.006	0.002
7:35:00	0.008	7:35:00	0.007	-0.001
7:40:00	0.003	7:40:00	0.007	0.004
7:45:00	0.003	7:45:00	0.007	0.004
7:50:00	0.003	7:50:00	0.006	0.003
7:55:00	0.004	7:55:00	0.006	0.002
8:00:00	0.004	8:00:00	0.005	0.001
8:05:00	0.003	8:05:00	0.005	0.002
8:10:00	0.002	8:10:00	0.006	0.004
8:15:00	0.002	8:15:00	0.010	0.008
8:20:00	0.001	8:20:00	0.009	0.008
8:25:00	0.012	8:25:00	0.008	-0.004
8:30:00	0.003	8:30:00	0.010	0.007
8:35:00	0.001	8:35:00	0.009	0.008
8:40:00	0.001	8:40:00	0.008	0.007
8:45:00	0.002	8:45:00	0.009	0.007
8:50:00	0.001	8:50:00	0.010	0.009
8:55:00	0.001	8:55:00	0.010	0.009
9:00:00	0.001	9:00:00	0.012	0.011
9:05:00	0.002	9:05:00	0.012	0.010
9:10:00	0.002	9:10:00	0.021	0.019
9:15:00	0.002	9:15:00	0.022	0.020
9:20:00	0.003	9:20:00	0.019	0.016
9:25:00	0.003	9:25:00	0.019	0.016
9:30:00	0.003	9:30:00	0.018	0.015
9:35:00	0.003	9:35:00	0.021	0.018
9:40:00	0.003	9:40:00	0.020	0.017
9:45:00	0.003	9:45:00	0.022	0.019
9:50:00	0.004	9:50:00	0.018	0.014
9:55:00	0.003	9:55:00	0.016	0.013
10:00:00	0.006	10:00:00	0.015	0.009
10:05:00	0.007	10:05:00	0.014	0.007
10:10:00	0.011	10:10:00	0.013	0.002

10:15:00	0.006	10:15:00	0.016	0.010
10:20:00	0.005	10:20:00	0.017	0.012
10:25:00	0.005	10:25:00	0.014	0.009
10:30:00	0.007	10:30:00	0.012	0.005
10:35:00	0.007	10:35:00	0.012	0.005
10:40:00	0.005	10:40:00	0.013	0.008
10:45:00	0.005	10:45:00	0.014	0.009
10:50:00	0.008	10:50:00	0.012	0.004
10:55:00	0.008	10:55:00	0.012	0.004
11:00:00	0.006	11:00:00	0.012	0.006
11:05:00	0.006	11:05:00	0.012	0.006
11:10:00	0.006	11:10:00	0.017	0.011
11:15:00	0.007	11:15:00	0.012	0.005
11:20:00	0.006	11:20:00	0.013	0.007
11:25:00	0.007	11:25:00	0.017	0.010
11:30:00	0.006	11:30:00	0.012	0.006
11:35:00	0.006	11:35:00	0.012	0.006
11:40:00	0.006	11:40:00	0.016	0.010
11:45:00	0.006	11:45:00	0.014	0.008
11:50:00	0.008	11:50:00	0.015	0.007
11:55:00	0.007	11:55:00	0.009	0.002
12:00:00	0.016	12:00:00	0.011	-0.005
12:05:00	0.009	12:05:00	0.011	0.002
12:10:00	0.009	12:10:00	0.009	0.000
12:15:00	0.010	12:15:00	0.011	0.001
12:20:00	0.009	12:20:00	0.009	0.000
12:25:00	0.011	12:25:00	0.008	-0.003
12:30:00	0.007	12:30:00	0.010	0.003
12:35:00	0.007	12:35:00	0.009	0.002
12:40:00	0.007	12:40:00	0.009	0.002
12:45:00	0.009	12:45:00	0.008	-0.001
12:50:00	0.007	12:50:00	0.007	0.000
12:55:00	0.008	12:55:00	0.008	0.000
13:00:00	0.008	13:00:00	0.010	0.002
13:05:00	0.012	13:05:00	0.013	0.001
13:10:00	0.008	13:10:00	0.014	0.006
13:15:00	0.007	13:15:00	0.015	0.008
13:20:00	0.008	13:20:00	0.012	0.004
13:25:00	0.009	13:25:00	0.012	0.003
13:30:00	0.007	13:30:00	0.013	0.006
13:35:00	0.008	13:35:00	0.012	0.004
13:40:00	0.008	13:40:00	0.014	0.006
13:45:00	0.008	13:45:00	0.012	0.004
13:50:00	0.010	13:50:00	0.014	0.004
13:55:00	0.010	13:55:00	0.013	0.003
14:00:00	0.009	14:00:00	0.013	0.004
14:05:00	0.008	14:05:00	0.010	0.002

14:10:00	0.008	14:10:00	0.009	0.001
14:15:00	0.008	14:15:00	0.010	0.002
14:20:00	0.008	14:20:00	0.011	0.003
14:25:00	0.007	14:25:00	0.012	0.005
14:30:00	0.010	14:30:00	0.010	0.000

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/15/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:10:00	0.003	7:10:00	0.070	0.067
7:15:00	0.001	7:15:00	0.057	0.056
7:20:00	0.024	7:20:00	0.055	0.031
7:25:00	0.074	7:25:00	0.059	-0.015
7:30:00	0.002	7:30:00	0.076	0.074
7:35:00	0.001	7:35:00	0.049	0.048
7:40:00	0.001	7:40:00	0.059	0.058
7:45:00	0.000	7:45:00	0.045	0.045
7:50:00	0.003	7:50:00	0.030	0.027
7:55:00	0.001	7:55:00	0.023	0.022
8:00:00	0.000	8:00:00	0.027	0.027
8:05:00	0.000	8:05:00	0.024	0.024
8:10:00	0.001	8:10:00	0.025	0.024
8:15:00	0.002	8:15:00	0.029	0.027
8:20:00	0.000	8:20:00	0.030	0.030
8:25:00	0.000	8:25:00	0.021	0.021
8:30:00	0.000	8:30:00	0.023	0.023
8:35:00	0.000	8:35:00	0.028	0.028
8:40:00	0.005	8:40:00	0.061	0.056
8:45:00	0.000	8:45:00	0.042	0.042
8:50:00	0.000	8:50:00	0.024	0.024
8:55:00	0.000	8:55:00	0.015	0.015
9:00:00	0.000	9:00:00	0.014	0.014
9:05:00	0.000	9:05:00	0.014	0.014
9:10:00	0.002	9:10:00	0.012	0.010
9:15:00	0.002	9:15:00	0.012	0.010
9:20:00	0.000	9:20:00	0.012	0.012
9:25:00	0.000	9:25:00	0.010	0.010
9:30:00	0.000	9:30:00	0.012	0.012
9:35:00	0.000	9:35:00	0.019	0.019
9:40:00	0.000	9:40:00	0.016	0.016
9:45:00	0.000	9:45:00	0.013	0.013
9:50:00	0.001	9:50:00	0.017	0.016
9:55:00	0.000	9:55:00	0.028	0.028
10:00:00	0.000	10:00:00	0.019	0.019
10:05:00	0.000	10:05:00	0.010	0.010

10:10:00	0.000	10:10:00	0.011	0.011
10:15:00	0.001	10:15:00	0.013	0.012
10:20:00	0.000	10:20:00	0.012	0.012
10:25:00	0.000	10:25:00	0.012	0.012
10:30:00	0.000	10:30:00	0.014	0.014
10:35:00	0.001	10:35:00	0.011	0.010
10:40:00	0.004	10:40:00	0.014	0.010
10:45:00	0.001	10:45:00	0.014	0.013
10:50:00	0.001	10:50:00	0.014	0.013
10:55:00	0.001	10:55:00	0.013	0.012
11:00:00	0.002	11:00:00	0.011	0.009
11:05:00	0.002	11:05:00	0.010	0.008
11:10:00	0.003	11:10:00	0.012	0.009
11:15:00	0.004	11:15:00	0.012	0.008
11:20:00	0.004	11:20:00	0.020	0.016
11:25:00	0.002	11:25:00	0.019	0.017
11:30:00	0.003	11:30:00	0.021	0.018
11:35:00	0.002	11:35:00	0.026	0.024
11:40:00	0.002	11:40:00	0.029	0.027
11:45:00	0.004	11:45:00	0.052	0.048
11:50:00	0.002	11:50:00	0.024	0.022
11:55:00	0.002	11:55:00	0.016	0.014
12:00:00	0.001	12:00:00	0.015	0.014
12:05:00	0.001	12:05:00	0.021	0.020
12:10:00	0.008	12:10:00	0.022	0.014
12:15:00	0.003	12:15:00	0.022	0.019
12:20:00	0.003	12:20:00	0.024	0.021
12:25:00	0.002	12:25:00	0.021	0.019
12:30:00	0.003	12:30:00	0.020	0.017
12:35:00	0.001	12:35:00	0.014	0.013
12:40:00	0.002	12:40:00	0.014	0.012
12:45:00	0.001	12:45:00	0.018	0.017
12:50:00	0.001	12:50:00	0.015	0.014
12:55:00	0.005	12:55:00	0.013	0.008
13:00:00	0.002	13:00:00	0.013	0.011
13:05:00	0.002	13:05:00	0.014	0.012
13:10:00	0.002	13:10:00	0.014	0.012
13:15:00	0.001	13:15:00	0.016	0.015
13:20:00	0.002	13:20:00	0.031	0.029
13:25:00	0.002	13:25:00	0.024	0.022
13:30:00	0.002	13:30:00	0.030	0.028
13:35:00	0.004	13:35:00	0.042	0.038
13:40:00	0.003	13:40:00	0.041	0.038
13:45:00	0.004	13:45:00	0.029	0.025
13:50:00	0.005	13:50:00	0.021	0.016
13:55:00	0.008	13:55:00	0.038	0.030
14:00:00	0.004	14:00:00	0.021	0.017

14:05:00	0.006	14:05:00	0.015	0.009
14:10:00	0.005	14:10:00	0.012	0.007
14:15:00	0.005	14:15:00	0.024	0.019

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/16/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:25:00	0.048	7:25:00	0.020	-0.028
7:30:00	0.008	7:30:00	0.017	0.009
7:35:00	0.006	7:35:00	0.021	0.015
7:40:00	0.006	7:40:00	0.011	0.005
7:45:00	0.010	7:45:00	0.009	-0.001
7:50:00	0.006	7:50:00	0.007	0.001
7:55:00	0.005	7:55:00	0.007	0.002
8:00:00	0.004	8:00:00	0.008	0.004
8:05:00	0.003	8:05:00	0.006	0.003
8:10:00	0.002	8:10:00	0.006	0.004
8:15:00	0.002	8:15:00	0.007	0.005
8:20:00	0.002	8:20:00	0.007	0.005
8:25:00	0.002	8:25:00	0.007	0.005
8:30:00	0.002	8:30:00	0.007	0.005
8:35:00	0.001	8:35:00	0.005	0.004
8:40:00	0.001	8:40:00	0.006	0.005
8:45:00	0.002	8:45:00	0.006	0.004
8:50:00	0.004	8:50:00	0.004	0.000
8:55:00	0.004	8:55:00	0.004	0.000
9:00:00	0.004	9:00:00	0.002	-0.002
9:05:00	0.002	9:05:00	0.003	0.001
9:10:00	0.002	9:10:00	0.002	0.000
9:15:00	0.002	9:15:00	0.003	0.001
9:20:00	0.002	9:20:00	0.003	0.001
9:25:00	0.002	9:25:00	0.003	0.001
9:30:00	0.001	9:30:00	0.003	0.002
9:35:00	0.001	9:35:00	0.003	0.002
9:40:00	0.001	9:40:00	0.004	0.003
9:45:00	0.001	9:45:00	0.003	0.002
9:50:00	0.001	9:50:00	0.004	0.003
9:55:00	0.001	9:55:00	0.003	0.002
10:00:00	0.001	10:00:00	0.003	0.002
10:05:00	0.001	10:05:00	0.004	0.003
10:10:00	0.000	10:10:00	0.004	0.004
10:15:00	0.011	10:15:00	0.003	-0.008
10:20:00	0.007	10:20:00	0.005	-0.002

10:25:00	0.006	10:25:00	0.019	0.013
10:30:00	0.003	10:30:00	0.006	0.003
10:35:00	0.002	10:35:00	0.004	0.002
10:40:00	0.002	10:40:00	0.004	0.002
10:45:00	0.003	10:45:00	0.006	0.003
10:50:00	0.004	10:50:00	0.004	0.000
10:55:00	0.004	10:55:00	0.003	-0.001
11:00:00	0.002	11:00:00	0.003	0.001
11:05:00	0.001	11:05:00	0.003	0.002
11:10:00	0.002	11:10:00	0.002	0.000
11:15:00	0.002	11:15:00	0.001	-0.001
11:20:00	0.002	11:20:00	0.001	-0.001
11:25:00	0.002	11:25:00	0.002	0.000
11:30:00	0.001	11:30:00	0.002	0.001
11:35:00	0.000	11:35:00	0.003	0.003
11:40:00	0.000	11:40:00	0.002	0.002
11:45:00	0.003	11:45:00	0.002	-0.001
11:50:00	0.002	11:50:00	0.002	0.000
11:55:00	0.002	11:55:00	0.002	0.000
12:00:00	0.003	12:00:00	0.012	0.009
12:05:00	0.006	12:05:00	0.006	0.000
12:10:00	0.009	12:10:00	0.004	-0.005
12:15:00	0.006	12:15:00	0.004	-0.002
12:20:00	0.004	12:20:00	0.005	0.001
12:25:00	0.002	12:25:00	0.006	0.004
12:30:00	0.003	12:30:00	0.004	0.001
12:35:00	0.003	12:35:00	0.004	0.001
12:40:00	0.001	12:40:00	0.005	0.004
12:45:00	0.001	12:45:00	0.006	0.005
12:50:00	0.000	12:50:00	0.009	0.009
12:55:00	0.001	12:55:00	0.012	0.011
1:00:00	0.003	1:00:00	0.011	0.008
1:05:00	0.004	1:05:00	0.013	0.009
1:10:00	0.002	1:10:00	0.012	0.010
1:15:00	0.002	1:15:00	0.011	0.009
1:20:00	0.002	1:20:00	0.010	0.008
1:25:00	0.005	1:25:00	0.010	0.005
1:30:00	0.003	1:30:00	0.010	0.007
1:35:00	0.002	1:35:00	0.010	0.008
1:40:00	0.002	1:40:00	0.010	0.008
1:45:00	0.002	1:45:00	0.009	0.007
1:50:00	0.002	1:50:00	0.011	0.009
1:55:00	0.002	1:55:00	0.011	0.009
2:00:00	0.001	2:00:00	0.009	0.008
2:05:00	0.004	2:05:00	0.010	0.006
2:10:00	0.004	2:10:00	0.013	0.009
2:15:00	0.002	2:15:00	0.012	0.010

2:20:00	0.001	2:20:00	0.016	0.015
2:25:00	0.001	2:25:00	0.019	0.018
2:30:00	0.001	2:30:00	0.018	0.017

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/17/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:30:00	0.032	7:30:00	0.028	-0.004
7:35:00	0.032	7:35:00	0.025	-0.007
7:40:00	0.032	7:40:00	0.022	-0.010
7:45:00	0.023	7:45:00	0.021	-0.002
7:50:00	0.023	7:50:00	0.023	0.000
7:55:00	0.023	7:55:00	0.025	0.002
8:00:00	0.008	8:00:00	0.027	0.019
8:05:00	0.008	8:05:00	0.027	0.019
8:10:00	0.008	8:10:00	0.032	0.024
8:15:00	0.008	8:15:00	0.028	0.020
8:20:00	0.008	8:20:00	0.029	0.021
8:25:00	0.008	8:25:00	0.030	0.022
8:30:00	0.008	8:30:00	0.028	0.020
8:35:00	0.008	8:35:00	0.025	0.017
8:40:00	0.008	8:40:00	0.024	0.016
8:45:00	0.008	8:45:00	0.029	0.021
8:50:00	0.008	8:50:00	0.036	0.028
8:55:00	0.008	8:55:00	0.036	0.028
9:00:00	0.008	9:00:00	0.032	0.024
9:05:00	0.008	9:05:00	0.032	0.024
9:10:00	0.008	9:10:00	0.034	0.026
9:15:00	0.008	9:15:00	0.045	0.037
9:20:00	0.000	9:20:00	0.071	0.071
9:25:00	0.000	9:25:00	0.078	0.078
9:30:00	0.000	9:30:00	0.043	0.043
9:35:00	0.001	9:35:00	0.056	0.055
9:40:00	0.023	9:40:00	0.081	0.058
9:45:00	0.023	9:45:00	0.040	0.017
9:50:00	0.023	9:50:00	0.035	0.012
9:55:00	-0.001	9:55:00	0.033	0.034
10:00:00	-0.001	10:00:00	0.029	0.030
10:05:00	-0.001	10:05:00	0.019	0.020
10:10:00	-0.001	10:10:00	0.032	0.033
10:15:00	-0.001	10:15:00	0.023	0.024
10:20:00	-0.001	10:20:00	0.103	0.104
10:25:00	-0.001	10:25:00	0.068	0.069

10:30:00	-0.001	10:30:00	0.028	0.029
10:35:00	-0.001	10:35:00	0.024	0.025
10:40:00	-0.001	10:40:00	0.027	0.028
10:45:00	-0.001	10:45:00	0.026	0.027
10:50:00	-0.001	10:50:00	0.023	0.024
10:55:00	-0.001	10:55:00	0.022	0.023
11:00:00	-0.001	11:00:00	0.024	0.025
11:05:00	-0.001	11:05:00	0.021	0.022
11:10:00	-0.001	11:10:00	0.026	0.027
11:15:00	0.008	11:15:00	0.023	0.015
11:20:00	0.008	11:20:00	0.022	0.014
11:25:00	0.008	11:25:00	0.018	0.010
11:30:00	0.002	11:30:00	0.018	0.016
11:35:00	0.002	11:35:00	0.017	0.015
11:40:00	0.002	11:40:00	0.017	0.015
11:45:00	0.002	11:45:00	0.019	0.017
11:50:00	0.002	11:50:00	0.020	0.018
11:55:00	0.002	11:55:00	0.014	0.012
12:00:00	0.005	12:00:00	0.010	0.005
12:05:00	0.005	12:05:00	0.011	0.006
12:10:00	0.005	12:10:00	0.014	0.009
12:15:00	0.009	12:15:00	0.013	0.004
12:20:00	0.000	12:20:00	0.026	0.026
12:25:00	0.000	12:25:00	0.019	0.019
12:30:00	0.000	12:30:00	0.013	0.013
12:35:00	0.000	12:35:00	0.014	0.014
12:40:00	0.000	12:40:00	0.012	0.012
12:45:00	0.000	12:45:00	0.014	0.014
12:50:00	0.000	12:50:00	0.012	0.012
12:55:00	0.000	12:55:00	0.011	0.011
13:00:00	0.000	13:00:00	0.011	0.011
13:05:00	0.000	13:05:00	0.009	0.009
13:10:00	0.000	13:10:00	0.008	0.008
13:15:00	0.000	13:15:00	0.011	0.011
13:20:00	0.000	13:20:00	0.011	0.011
13:25:00	0.000	13:25:00	0.009	0.009
13:30:00	0.000	13:30:00	0.009	0.009
13:35:00	0.000	13:35:00	0.009	0.009
13:40:00	0.000	13:40:00	0.009	0.009
13:45:00	0.000	13:45:00	0.009	0.009
13:50:00	0.000	13:50:00	0.011	0.011
13:55:00	0.000	13:55:00	0.009	0.009
14:00:00	0.000	14:00:00	0.010	0.010
14:05:00	0.000	14:05:00	0.009	0.009
14:10:00	0.000	14:10:00	0.008	0.008
14:15:00	0.000	14:15:00	0.010	0.010
14:20:00	0.000	14:20:00	0.009	0.009

14:25:00	0.000	14:25:00	0.010	0.010
14:30:00	0.000	14:30:00	0.010	0.010
14:35:00	0.000	14:35:00	0.013	0.013

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/20/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:25:00	0.050	7:25:00	0.007	-0.043
7:30:00	0.055	7:30:00	0.004	-0.051
7:35:00	0.049	7:35:00	0.004	-0.045
7:40:00	0.054	7:40:00	0.003	-0.051
7:45:00	0.064	7:45:00	0.004	-0.060
7:50:00	0.052	7:50:00	0.004	-0.048
7:55:00	0.051	7:55:00	0.003	-0.048
8:00:00	0.049	8:00:00	0.005	-0.044
8:05:00	0.048	8:05:00	0.004	-0.044
8:10:00	0.049	8:10:00	0.004	-0.045
8:15:00	0.049	8:15:00	0.003	-0.046
8:20:00	0.048	8:20:00	0.004	-0.044
8:25:00	0.048	8:25:00	0.004	-0.044
8:30:00	0.047	8:30:00	0.007	-0.040
8:35:00	0.048	8:35:00	0.006	-0.042
8:40:00	0.048	8:40:00	0.004	-0.044
8:45:00	0.048	8:45:00	0.003	-0.045
8:50:00	0.048	8:50:00	0.004	-0.044
8:55:00	0.047	8:55:00	0.003	-0.044
9:00:00	0.048	9:00:00	0.003	-0.045
9:05:00	0.046	9:05:00	0.003	-0.043
9:10:00	0.048	9:10:00	0.003	-0.045
9:15:00	0.048	9:15:00	0.003	-0.045
9:20:00	0.046	9:20:00	0.003	-0.043
9:25:00	0.046	9:25:00	0.004	-0.042
9:30:00	0.047	9:30:00	0.006	-0.041
9:35:00	0.046	9:35:00	0.006	-0.040
9:40:00	0.048	9:40:00	0.004	-0.044
9:45:00	0.046	9:45:00	0.004	-0.042
9:50:00	0.045	9:50:00	0.004	-0.041
9:55:00	0.044	9:55:00	0.003	-0.041
10:00:00	0.044	10:00:00	0.003	-0.041
10:05:00	0.044	10:05:00	0.004	-0.040
10:10:00	0.043	10:10:00	0.004	-0.039
10:15:00	0.052	10:15:00	0.003	-0.049
10:20:00	0.044	10:20:00	0.003	-0.041

10:25:00	0.045	10:25:00	0.004	-0.041
10:30:00	0.043	10:30:00	0.003	-0.040
10:35:00	0.043	10:35:00	0.003	-0.040
10:40:00	0.043	10:40:00	0.004	-0.039
10:45:00	0.043	10:45:00	0.003	-0.040
10:50:00	0.042	10:50:00	0.003	-0.039
10:55:00	0.043	10:55:00	0.010	-0.033
11:00:00	0.043	11:00:00	0.008	-0.035
11:05:00	0.042	11:05:00	0.006	-0.036
11:10:00	0.042	11:10:00	0.005	-0.037
11:15:00	0.042	11:15:00	0.007	-0.035
11:20:00	0.041	11:20:00	0.006	-0.035
11:25:00	0.041	11:25:00	0.005	-0.036
11:30:00	0.041	11:30:00	0.005	-0.036
11:35:00	0.042	11:35:00	0.007	-0.035
11:40:00	0.041	11:40:00	0.009	-0.032
11:45:00	0.040	11:45:00	0.010	-0.030
11:50:00	0.042	11:50:00	0.007	-0.035
11:55:00	0.042	11:55:00	0.008	-0.034
12:00:00	0.041	12:00:00	0.009	-0.032
12:05:00	0.041	12:05:00	0.008	-0.033
12:10:00	0.041	12:10:00	0.008	-0.033
12:15:00	0.041	12:15:00	0.009	-0.032
12:20:00	0.040	12:20:00	0.006	-0.034
12:25:00	0.041	12:25:00	0.006	-0.035
12:30:00	0.041	12:30:00	0.006	-0.035
12:35:00	0.039	12:35:00	0.009	-0.030
12:40:00	0.039	12:40:00	0.014	-0.025
12:45:00	0.039	12:45:00	0.013	-0.026
12:50:00	0.039	12:50:00	0.011	-0.028
12:55:00	0.040	12:55:00	0.009	-0.031
1:00:00	NL	1:00:00	0.008	NM
1:05:00	NL	1:05:00	0.010	NM
1:10:00	NL	1:10:00	0.009	NM
1:15:00	NL	1:15:00	0.008	NM
1:20:00	NL	1:20:00	0.007	NM
1:25:00	NL	1:25:00	0.013	NM
1:30:00	NL	1:30:00	0.008	NM
1:35:00	NL	1:35:00	0.008	NM
1:40:00	NL	1:40:00	0.011	NM
1:45:00	NL	1:45:00	0.009	NM
1:50:00	NL	1:50:00	0.007	NM
1:55:00	NL	1:55:00	0.011	NM
2:00:00	NL	2:00:00	0.012	NM
2:05:00	NL	2:05:00	0.010	NM
2:10:00	NL	2:10:00	0.010	NM
2:15:00	NL	2:15:00	0.010	NM

2:20:00	NL	2:20:00	0.010	NM
2:25:00	NL	2:25:00	0.017	NM
2:30:00	NL	2:30:00	0.015	NM
2:35:00	NL	2:35:00	0.016	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/21/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:35:00	0.023	7:35:00	0.047	0.024
7:40:00	0.032	7:40:00	0.011	-0.021
7:45:00	0.036	7:45:00	0.013	-0.023
7:50:00	0.031	7:50:00	0.008	-0.023
7:55:00	0.027	7:55:00	0.010	-0.017
8:00:00	0.027	8:00:00	0.011	-0.016
8:05:00	0.026	8:05:00	0.016	-0.010
8:10:00	0.029	8:10:00	0.007	-0.022
8:15:00	0.028	8:15:00	0.006	-0.022
8:20:00	0.027	8:20:00	0.005	-0.022
8:25:00	0.033	8:25:00	0.006	-0.027
8:30:00	0.034	8:30:00	0.006	-0.028
8:35:00	0.028	8:35:00	0.008	-0.020
8:40:00	0.033	8:40:00	0.005	-0.028
8:45:00	0.032	8:45:00	0.005	-0.027
8:50:00	0.029	8:50:00	0.004	-0.025
8:55:00	0.026	8:55:00	0.003	-0.023
9:00:00	0.038	9:00:00	0.004	-0.034
9:05:00	0.034	9:05:00	0.002	-0.032
9:10:00	0.023	9:10:00	0.002	-0.022
9:15:00	0.025	9:15:00	0.002	-0.023
9:20:00	0.027	9:20:00	0.002	-0.025
9:25:00	0.031	9:25:00	0.006	-0.025
9:30:00	0.033	9:30:00	0.007	-0.026
9:35:00	0.043	9:35:00	0.005	-0.038
9:40:00	0.058	9:40:00	0.003	-0.055
9:45:00	0.036	9:45:00	0.002	-0.034
9:50:00	0.027	9:50:00	0.001	-0.026
9:55:00	0.022	9:55:00	0.003	-0.019
10:00:00	0.018	10:00:00	0.005	-0.013
10:05:00	0.015	10:05:00	0.011	-0.004
10:10:00	0.014	10:10:00	0.008	-0.006
10:15:00	0.013	10:15:00	0.004	-0.009
10:20:00	0.011	10:20:00	0.005	-0.006
10:25:00	0.010	10:25:00	0.004	-0.006
10:30:00	0.009	10:30:00	0.003	-0.006

10:35:00	0.009	10:35:00	0.004	-0.005
10:40:00	0.009	10:40:00	0.005	-0.004
10:45:00	0.010	10:45:00	0.005	-0.005
10:50:00	0.008	10:50:00	0.005	-0.003
10:55:00	0.008	10:55:00	0.005	-0.003
11:00:00	0.007	11:00:00	0.004	-0.003
11:05:00	0.009	11:05:00	0.010	0.001
11:10:00	0.008	11:10:00	0.009	0.001
11:15:00	0.008	11:15:00	0.004	-0.004
11:20:00	0.007	11:20:00	0.003	-0.004
11:25:00	0.007	11:25:00	0.003	-0.004
11:30:00	0.009	11:30:00	0.003	-0.006
11:35:00	0.011	11:35:00	0.003	-0.008
11:40:00	0.010	11:40:00	0.003	-0.007
11:45:00	0.010	11:45:00	0.003	-0.007
11:50:00	0.011	11:50:00	0.004	-0.007
11:55:00	0.011	11:55:00	0.004	-0.007
12:00:00	0.010	12:00:00	0.003	-0.007
12:05:00	0.009	12:05:00	0.002	-0.007
12:10:00	0.009	12:10:00	0.002	-0.007
12:15:00	0.010	12:15:00	0.002	-0.008
12:20:00	0.013	12:20:00	0.003	-0.010
12:25:00	0.018	12:25:00	0.007	-0.011
12:30:00	0.020	12:30:00	0.012	-0.008
12:35:00	0.015	12:35:00	0.014	-0.001
12:40:00	0.037	12:40:00	0.012	-0.025
12:45:00	0.021	12:45:00	0.012	-0.009
12:50:00	0.015	12:50:00	0.011	-0.004
12:55:00	0.017	12:55:00	0.019	0.002
13:00:00	0.019	13:00:00	0.029	0.010
13:05:00	0.014	13:05:00	0.014	0.000
13:10:00	0.017	13:10:00	0.013	-0.004
13:15:00	0.015	13:15:00	0.012	-0.003
13:20:00	0.018	13:20:00	0.010	-0.008
13:25:00	0.029	13:25:00	0.010	-0.019
13:30:00	0.021	13:30:00	0.010	-0.011
13:35:00	0.025	13:35:00	0.009	-0.016
13:40:00	0.026	13:40:00	0.012	-0.014
13:45:00	0.035	13:45:00	0.010	-0.025
13:50:00	0.025	13:50:00	0.025	0.000
13:55:00	0.022	13:55:00	0.009	-0.013
14:00:00	0.024	14:00:00	0.015	-0.009
14:05:00	0.016	14:05:00	0.013	-0.003

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/24/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:20:00	0.027	7:20:00	0.010	-0.017
7:25:00	0.029	7:25:00	0.004	-0.025
7:30:00	0.030	7:30:00	0.001	-0.029
7:35:00	0.028	7:35:00	0.000	-0.028
7:40:00	0.027	7:40:00	0.001	-0.026
7:45:00	0.028	7:45:00	0.000	-0.028
7:50:00	0.027	7:50:00	0.000	-0.027
7:55:00	0.027	7:55:00	0.001	-0.026
8:00:00	0.028	8:00:00	0.000	-0.028
8:05:00	0.027	8:05:00	0.000	-0.027
8:10:00	0.025	8:10:00	0.000	-0.025
8:15:00	0.025	8:15:00	0.000	-0.025
8:20:00	0.066	8:20:00	0.000	-0.066
8:25:00	0.042	8:25:00	0.001	-0.041
8:30:00	0.027	8:30:00	0.001	-0.026
8:35:00	0.026	8:35:00	0.008	-0.018
8:40:00	0.026	8:40:00	0.002	-0.024
8:45:00	0.025	8:45:00	0.006	-0.019
8:50:00	0.025	8:50:00	0.010	-0.015
8:55:00	0.026	8:55:00	0.014	-0.012
9:00:00	0.027	9:00:00	0.004	-0.023
9:05:00	0.027	9:05:00	0.001	-0.026
9:10:00	0.028	9:10:00	0.002	-0.026
9:15:00	0.027	9:15:00	0.001	-0.026
9:20:00	0.027	9:20:00	0.001	-0.026
9:25:00	0.025	9:25:00	0.001	-0.024
9:30:00	0.027	9:30:00	0.003	-0.024
9:35:00	0.026	9:35:00	0.002	-0.024
9:40:00	0.025	9:40:00	0.001	-0.024
9:45:00	0.024	9:45:00	0.001	-0.023
9:50:00	0.025	9:50:00	0.001	-0.024
9:55:00	0.026	9:55:00	0.001	-0.025
10:00:00	0.026	10:00:00	0.000	-0.026
10:05:00	0.027	10:05:00	0.000	-0.027
10:10:00	0.030	10:10:00	0.000	-0.030
10:15:00	0.028	10:15:00	0.001	-0.027

10:20:00	0.029	10:20:00	0.001	-0.028
10:25:00	0.026	10:25:00	0.001	-0.025
10:30:00	0.031	10:30:00	0.001	-0.030
10:35:00	0.030	10:35:00	0.001	-0.029
10:40:00	0.030	10:40:00	0.002	-0.028
10:45:00	0.030	10:45:00	0.001	-0.029
10:50:00	0.026	10:50:00	0.000	-0.026
10:55:00	0.026	10:55:00	0.001	-0.025
11:00:00	0.025	11:00:00	0.002	-0.023
11:05:00	0.025	11:05:00	0.001	-0.024
11:10:00	0.027	11:10:00	0.001	-0.026
11:15:00	0.026	11:15:00	0.001	-0.025
11:20:00	0.025	11:20:00	0.002	-0.023
11:25:00	0.025	11:25:00	0.001	-0.024
11:30:00	0.027	11:30:00	0.001	-0.026
11:35:00	0.027	11:35:00	0.001	-0.026
11:40:00	0.025	11:40:00	0.001	-0.024
11:45:00	0.026	11:45:00	0.001	-0.025
11:50:00	0.026	11:50:00	0.002	-0.024
11:55:00	0.027	11:55:00	0.002	-0.025
12:00:00	0.026	12:00:00	0.004	-0.022
12:05:00	0.027	12:05:00	0.003	-0.024
12:10:00	0.028	12:10:00	0.004	-0.024
12:15:00	0.028	12:15:00	0.004	-0.024
12:20:00	0.031	12:20:00	0.003	-0.028
12:25:00	0.026	12:25:00	0.001	-0.025
12:30:00	0.028	12:30:00	0.001	-0.027
12:35:00	0.027	12:35:00	0.001	-0.026
12:40:00	0.027	12:40:00	0.001	-0.026
12:45:00	0.027	12:45:00	0.006	-0.021
12:50:00	0.027	12:50:00	0.003	-0.024
12:55:00	0.027	12:55:00	0.003	-0.024
13:00:00	0.026	13:00:00	0.001	-0.025
13:05:00	0.026	13:05:00	0.002	-0.024
13:10:00	0.026	13:10:00	0.002	-0.024
13:15:00	0.026	13:15:00	0.002	-0.024
13:20:00	0.025	13:20:00	0.002	-0.023
13:25:00	0.025	13:25:00	0.009	-0.016
13:30:00	0.025	13:30:00	0.029	0.004
13:35:00	0.025	13:35:00	0.014	-0.011
13:40:00	0.025	13:40:00	0.119	0.094
13:45:00	0.025	13:45:00	0.075	0.050
13:50:00	0.024	13:50:00	0.002	-0.022
13:55:00	0.026	13:55:00	0.004	-0.022
14:00:00	0.025	14:00:00	0.009	-0.016
14:05:00	0.024	14:05:00	0.006	-0.018

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/25/2014

Upwind		Downwind		Difference
Time	**Conc [mg/m3]**	**Time**	**Conc [mg/m3]**	
11:30:00	NL	11:30:00	0.023	NM
11:35:00	NL	11:35:00	0.020	NM
11:40:00	NL	11:40:00	0.020	NM
11:45:00	NL	11:45:00	0.018	NM
11:50:00	NL	11:50:00	0.019	NM
11:55:00	NL	11:55:00	0.018	NM
12:00:00	NL	12:00:00	0.019	NM
12:05:00	NL	12:05:00	0.022	NM
12:10:00	NL	12:10:00	0.018	NM
12:15:00	NL	12:15:00	0.015	NM
12:20:00	NL	12:20:00	0.018	NM
12:25:00	NL	12:25:00	0.015	NM
12:30:00	NL	12:30:00	0.017	NM
12:35:00	NL	12:35:00	0.015	NM
12:40:00	NL	12:40:00	0.036	NM
12:45:00	NL	12:45:00	0.030	NM
12:50:00	NL	12:50:00	0.021	NM
12:55:00	NL	12:55:00	0.021	NM
13:00:00	NL	13:00:00	0.038	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/27/2014

Upwind		Downwind		Difference
Time	**Conc [mg/m3]**	**Time**	**Conc [mg/m3]**	
7:35:00	NL	7:35:00	0.019	NM
7:40:00	NL	7:40:00	0.004	NM
7:45:00	NL	7:45:00	0.002	NM
7:50:00	NL	7:50:00	0.002	NM
7:55:00	NL	7:55:00	0.002	NM
8:00:00	NL	8:00:00	0.002	NM
8:05:00	NL	8:05:00	0.002	NM
8:10:00	NL	8:10:00	0.006	NM
8:15:00	NL	8:15:00	0.002	NM
8:20:00	NL	8:20:00	0.001	NM
8:25:00	NL	8:25:00	0.003	NM
8:30:00	NL	8:30:00	0.003	NM
8:35:00	NL	8:35:00	0.003	NM
8:40:00	NL	8:40:00	0.004	NM
8:45:00	NL	8:45:00	0.002	NM
8:50:00	NL	8:50:00	0.002	NM
8:55:00	NL	8:55:00	0.003	NM
9:00:00	NL	9:00:00	0.010	NM
9:05:00	NL	9:05:00	0.005	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/28/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:25:00	0.009	7:25:00	0.040	0.031
7:30:00	0.009	7:30:00	0.022	0.013
7:35:00	0.009	7:35:00	0.019	0.010
7:40:00	0.013	7:40:00	0.008	-0.005
7:45:00	0.011	7:45:00	0.005	-0.006
7:50:00	0.009	7:50:00	0.005	-0.004
7:55:00	0.008	7:55:00	0.005	-0.003
8:00:00	0.009	8:00:00	0.005	-0.004
8:05:00	0.008	8:05:00	0.004	-0.004
8:10:00	0.008	8:10:00	0.003	-0.005
8:15:00	0.008	8:15:00	0.003	-0.005
8:20:00	0.010	8:20:00	0.003	-0.007
8:25:00	0.009	8:25:00	0.022	0.013
8:30:00	0.009	8:30:00	0.007	-0.002
8:35:00	0.013	8:35:00	0.004	-0.009
8:40:00	0.013	8:40:00	0.003	-0.010
8:45:00	0.012	8:45:00	0.004	-0.008
8:50:00	0.011	8:50:00	0.003	-0.008
8:55:00	0.008	8:55:00	0.004	-0.004
9:00:00	0.008	9:00:00	0.006	-0.002
9:05:00	0.008	9:05:00	0.005	-0.003
9:10:00	0.008	9:10:00	0.005	-0.003
9:15:00	0.007	9:15:00	0.006	-0.001
9:20:00	0.007	9:20:00	0.006	-0.001
9:25:00	0.007	9:25:00	0.007	0.000
9:30:00	0.008	9:30:00	0.013	0.005
9:35:00	0.008	9:35:00	0.012	0.004
9:40:00	0.008	9:40:00	0.011	0.003
9:45:00	0.008	9:45:00	0.009	0.001
9:50:00	0.008	9:50:00	0.007	-0.001
9:55:00	0.009	9:55:00	0.009	0.000
10:00:00	0.008	10:00:00	0.009	0.001
10:05:00	0.008	10:05:00	0.007	-0.001
10:10:00	0.009	10:10:00	0.027	0.018
10:15:00	0.007	10:15:00	0.010	0.003
10:20:00	0.007	10:20:00	0.008	0.001

10:25:00	0.007	10:25:00	0.009	0.002
10:30:00	0.007	10:30:00	0.008	0.001
10:35:00	0.007	10:35:00	0.007	0.000
10:40:00	0.007	10:40:00	0.010	0.003
10:45:00	0.007	10:45:00	0.009	0.002
10:50:00	0.008	10:50:00	0.005	-0.003
10:55:00	0.007	10:55:00	0.005	-0.002
11:00:00	0.007	11:00:00	0.007	0.000
11:05:00	0.008	11:05:00	0.010	0.002
11:10:00	0.009	11:10:00	0.008	-0.001
11:15:00	0.010	11:15:00	0.007	-0.003
11:20:00	0.010	11:20:00	0.011	0.001
11:25:00	0.009	11:25:00	0.012	0.003
11:30:00	0.011	11:30:00	0.009	-0.002
11:35:00	0.009	11:35:00	0.011	0.002
11:40:00	0.007	11:40:00	0.008	0.001
11:45:00	0.007	11:45:00	0.008	0.001
11:50:00	0.007	11:50:00	0.018	0.011
11:55:00	0.007	11:55:00	0.044	0.037
12:00:00	0.007	12:00:00	0.035	0.028
12:05:00	0.007	12:05:00	0.010	0.003
12:10:00	0.007	12:10:00	0.005	-0.002
12:15:00	0.008	12:15:00	0.007	-0.001
12:20:00	0.007	12:20:00	0.005	-0.002
12:25:00	0.007	12:25:00	0.006	-0.001
12:30:00	0.008	12:30:00	0.007	-0.001
12:35:00	0.009	12:35:00	0.008	-0.001
12:40:00	0.010	12:40:00	0.007	-0.003
12:45:00	0.010	12:45:00	0.007	-0.003
12:50:00	0.009	12:50:00	0.008	-0.001
12:55:00	0.011	12:55:00	0.009	-0.002
13:00:00	0.009	13:00:00	0.009	0.000
13:05:00	0.007	13:05:00	0.008	0.001
13:10:00	0.007	13:10:00	0.008	0.001
13:15:00	0.007	13:15:00	0.007	0.000
13:20:00	0.007	13:20:00	0.015	0.008
13:25:00	0.007	13:25:00	0.012	0.005
13:30:00	0.007	13:30:00	0.007	0.000
13:35:00	0.007	13:35:00	0.006	-0.001
13:40:00	0.008	13:40:00	0.006	-0.002
13:45:00	0.007	13:45:00	0.007	0.000
13:50:00	0.007	13:50:00	0.008	0.001
13:55:00	0.008	13:55:00	0.009	0.001
14:00:00	0.009	14:00:00	0.006	-0.003
14:05:00	0.010	14:05:00	0.008	-0.002
14:10:00	0.010	14:10:00	0.007	-0.003
14:15:00	0.009	14:15:00	0.009	0.000

14:20:00	0.011	14:20:00	0.008	-0.003
14:25:00	0.007	14:25:00	0.007	0.000
14:30:00	0.007	14:30:00	0.006	-0.001
14:35:00	0.007	14:35:00	0.005	-0.002
14:40:00	0.007	14:40:00	0.006	-0.001
14:45:00	0.007	14:45:00	0.005	-0.002
14:50:00	0.007	14:50:00	0.005	-0.002
14:55:00	0.008	14:55:00	0.005	-0.003
15:00:00	0.007	15:00:00	0.007	0.000
15:05:00	0.007	15:05:00	0.005	-0.002
15:10:00	0.008	15:10:00	0.006	-0.002
15:15:00	0.009	15:15:00	0.007	-0.002
15:20:00	0.010	15:20:00	0.027	0.017
15:25:00	0.010	15:25:00	0.012	0.002
15:30:00	0.009	15:30:00	0.009	0.000
15:35:00	0.011	15:35:00	0.008	-0.003
15:40:00	0.009	15:40:00	0.008	-0.001
15:45:00	0.007	15:45:00	0.008	0.001
15:50:00	0.007	15:50:00	0.007	0.000
15:55:00	0.007	15:55:00	0.007	0.000
16:00:00	0.007	16:00:00	0.006	-0.001
16:05:00	0.007	16:05:00	0.006	-0.001
16:10:00	0.007	16:10:00	0.006	-0.001
16:15:00	0.007	16:15:00	0.005	-0.002
16:20:00	0.008	16:20:00	0.009	0.001
16:25:00	0.007	16:25:00	0.020	0.013
16:30:00	0.007	16:30:00	0.011	0.004
16:35:00	0.008	16:35:00	0.009	0.001
16:40:00	0.009	16:40:00	0.007	-0.002
16:45:00	0.010	16:45:00	0.010	0.000
16:50:00	0.010	16:50:00	0.008	-0.002
16:55:00	0.009	16:55:00	0.008	-0.001
17:00:00	0.007	17:00:00	0.014	0.007
17:05:00	0.007	17:05:00	0.046	0.039
17:10:00	0.008	17:10:00	0.031	0.023
17:15:00	0.009	17:15:00	0.024	0.015
17:20:00	0.007	17:20:00	0.024	0.017

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/29/2014

Upwind		Downwind		Difference
Time	**Conc [mg/m3]**	**Time**	**Conc [mg/m3]**	
7:15:00	NL	7:15:00	0.053	NM
7:20:00	NL	7:20:00	0.019	NM
7:25:00	NL	7:25:00	0.013	NM
7:30:00	NL	7:30:00	0.011	NM
7:35:00	NL	7:35:00	0.011	NM
7:40:00	NL	7:40:00	0.012	NM
7:45:00	NL	7:45:00	0.009	NM
7:50:00	NL	7:50:00	0.009	NM
7:55:00	NL	7:55:00	0.007	NM
8:00:00	NL	8:00:00	0.008	NM
8:05:00	NL	8:05:00	0.009	NM
8:10:00	NL	8:10:00	0.010	NM
8:15:00	NL	8:15:00	0.012	NM
8:20:00	NL	8:20:00	0.011	NM
8:25:00	NL	8:25:00	0.034	NM
8:30:00	NL	8:30:00	0.051	NM
8:35:00	NL	8:35:00	0.022	NM
8:40:00	NL	8:40:00	0.058	NM
8:45:00	NL	8:45:00	0.022	NM

Roux Associates
Community Air Monitoring Program - DUST

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/30/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
7:20:00	NL	7:20:00	0.017	NM
7:25:00	NL	7:25:00	0.022	NM
7:30:00	NL	7:30:00	0.010	NM
7:35:00	NL	7:35:00	0.006	NM
7:40:00	NL	7:40:00	0.005	NM
7:45:00	NL	7:45:00	0.005	NM
7:50:00	NL	7:50:00	0.004	NM
7:55:00	NL	7:55:00	0.009	NM
8:00:00	NL	8:00:00	0.013	NM
8:05:00	NL	8:05:00	0.021	NM
8:10:00	NL	8:10:00	0.023	NM
8:15:00	NL	8:15:00	0.054	NM
8:20:00	NL	8:20:00	0.023	NM
8:25:00	NL	8:25:00	0.014	NM
8:30:00	NL	8:30:00	0.039	NM
8:35:00	NL	8:35:00	0.036	NM
8:40:00	NL	8:40:00	0.025	NM
8:45:00	NL	8:45:00	0.052	NM
8:50:00	NL	8:50:00	0.058	NM
8:55:00	NL	8:55:00	0.072	NM
9:00:00	NL	9:00:00	0.092	NM
9:05:00	NL	9:05:00	0.042	NM
9:10:00	NL	9:10:00	0.048	NM
9:15:00	NL	9:15:00	0.038	NM
9:20:00	NL	9:20:00	0.014	NM
9:25:00	NL	9:25:00	0.014	NM
9:30:00	NL	9:30:00	0.014	NM
9:35:00	NL	9:35:00	0.013	NM
9:40:00	NL	9:40:00	0.026	NM
9:45:00	NL	9:45:00	0.041	NM
9:50:00	NL	9:50:00	0.020	NM
9:55:00	NL	9:55:00	0.012	NM
10:00:00	NL	10:00:00	0.010	NM
10:05:00	NL	10:05:00	0.012	NM
10:10:00	NL	10:10:00	0.012	NM
10:15:00	NL	10:15:00	0.013	NM

10:20:00	NL	10:20:00	0.012	NM
10:25:00	NL	10:25:00	0.032	NM
10:30:00	NL	10:30:00	0.032	NM
10:35:00	NL	10:35:00	0.020	NM
10:40:00	NL	10:40:00	0.015	NM
10:45:00	NL	10:45:00	0.013	NM
10:50:00	NL	10:50:00	0.013	NM
10:55:00	NL	10:55:00	0.012	NM
11:00:00	NL	11:00:00	0.011	NM
11:05:00	NL	11:05:00	0.014	NM
11:10:00	NL	11:10:00	0.009	NM
11:15:00	NL	11:15:00	0.008	NM
11:20:00	NL	11:20:00	0.017	NM
11:25:00	NL	11:25:00	0.011	NM
11:30:00	NL	11:30:00	0.009	NM
11:35:00	NL	11:35:00	0.030	NM
11:40:00	NL	11:40:00	0.034	NM
11:45:00	NL	11:45:00	0.009	NM
11:50:00	NL	11:50:00	0.017	NM
11:55:00	NL	11:55:00	0.008	NM
12:00:00	NL	12:00:00	0.024	NM
12:05:00	NL	12:05:00	0.026	NM
12:10:00	NL	12:10:00	0.023	NM
12:15:00	NL	12:15:00	0.011	NM
12:20:00	NL	12:20:00	0.019	NM
12:25:00	NL	12:25:00	0.015	NM
12:30:00	NL	12:30:00	0.006	NM
12:35:00	NL	12:35:00	0.006	NM
12:40:00	NL	12:40:00	0.007	NM
12:45:00	NL	12:45:00	0.004	NM
12:50:00	NL	12:50:00	0.004	NM
12:55:00	NL	12:55:00	0.004	NM
13:00:00	NL	13:00:00	0.003	NM
13:05:00	NL	13:05:00	0.003	NM
13:10:00	NL	13:10:00	0.002	NM
13:15:00	NL	13:15:00	0.002	NM
13:20:00	NL	13:20:00	0.003	NM
13:25:00	NL	13:25:00	0.003	NM
13:30:00	NL	13:30:00	0.003	NM
13:35:00	NL	13:35:00	0.003	NM
13:40:00	NL	13:40:00	0.002	NM
13:45:00	NL	13:45:00	0.002	NM
13:50:00	NL	13:50:00	0.004	NM
13:55:00	NL	13:55:00	0.004	NM
14:00:00	NL	14:00:00	0.003	NM
14:05:00	NL	14:05:00	0.003	NM
14:10:00	NL	14:10:00	0.014	NM

14:15:00	NL	14:15:00	0.009	NM
14:20:00	NL	14:20:00	0.006	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/31/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
8:05:00	NL	8:05:00	0.019	NM
8:10:00	NL	8:10:00	0.004	NM
8:15:00	NL	8:15:00	0.004	NM
8:20:00	NL	8:20:00	0.005	NM
8:25:00	NL	8:25:00	0.004	NM
8:30:00	NL	8:30:00	0.005	NM
8:35:00	NL	8:35:00	0.008	NM
8:40:00	NL	8:40:00	0.004	NM
8:45:00	NL	8:45:00	0.006	NM
8:50:00	NL	8:50:00	0.004	NM
8:55:00	NL	8:55:00	0.005	NM
9:00:00	NL	9:00:00	0.004	NM
9:05:00	NL	9:05:00	0.004	NM
9:10:00	NL	9:10:00	0.004	NM
9:15:00	NL	9:15:00	0.006	NM
9:20:00	NL	9:20:00	0.005	NM
9:25:00	NL	9:25:00	0.009	NM
9:30:00	NL	9:30:00	0.004	NM
9:35:00	NL	9:35:00	0.003	NM
9:40:00	NL	9:40:00	0.006	NM
9:45:00	NL	9:45:00	0.005	NM
9:50:00	NL	9:50:00	0.008	NM
9:55:00	NL	9:55:00	0.005	NM
10:00:00	NL	10:00:00	0.006	NM
10:05:00	NL	10:05:00	0.006	NM
10:10:00	NL	10:10:00	0.006	NM
10:15:00	NL	10:15:00	0.004	NM
10:20:00	NL	10:20:00	0.004	NM
10:25:00	NL	10:25:00	0.004	NM
10:30:00	NL	10:30:00	0.003	NM
10:35:00	NL	10:35:00	0.005	NM
10:40:00	NL	10:40:00	0.004	NM
10:45:00	NL	10:45:00	0.013	NM
10:50:00	NL	10:50:00	0.004	NM
10:55:00	NL	10:55:00	0.004	NM
11:00:00	NL	11:00:00	0.004	NM

11:05:00	NL	11:05:00	0.004	NM
11:10:00	NL	11:10:00	0.005	NM
11:15:00	NL	11:15:00	0.005	NM
11:20:00	NL	11:20:00	0.005	NM
11:25:00	NL	11:25:00	0.003	NM
11:30:00	NL	11:30:00	0.004	NM
11:35:00	NL	11:35:00	0.002	NM
11:40:00	NL	11:40:00	0.002	NM
11:45:00	NL	11:45:00	0.004	NM
11:50:00	NL	11:50:00	0.004	NM
11:55:00	NL	11:55:00	0.003	NM
12:00:00	NL	12:00:00	0.003	NM
12:05:00	NL	12:05:00	0.005	NM
12:10:00	NL	12:10:00	0.006	NM
12:15:00	NL	12:15:00	0.004	NM
12:20:00	NL	12:20:00	0.003	NM
12:25:00	NL	12:25:00	0.003	NM
12:30:00	NL	12:30:00	0.003	NM
12:35:00	NL	12:35:00	0.003	NM
12:40:00	NL	12:40:00	0.004	NM
12:45:00	NL	12:45:00	0.004	NM
12:50:00	NL	12:50:00	0.005	NM
12:55:00	NL	12:55:00	0.004	NM
13:00:00	NL	13:00:00	0.005	NM
13:05:00	NL	13:05:00	0.006	NM
13:10:00	NL	13:10:00	0.004	NM
13:15:00	NL	13:15:00	0.006	NM
13:20:00	NL	13:20:00	0.008	NM
13:25:00	NL	13:25:00	0.005	NM
13:30:00	NL	13:30:00	0.006	NM
13:35:00	NL	13:35:00	0.005	NM
13:40:00	NL	13:40:00	0.004	NM
13:45:00	NL	13:45:00	0.005	NM
13:50:00	NL	13:50:00	0.004	NM
13:55:00	NL	13:55:00	0.006	NM
14:00:00	NL	14:00:00	0.007	NM
14:05:00	NL	14:05:00	0.014	NM
14:10:00	NL	14:10:00	0.019	NM
14:15:00	NL	14:15:00	0.006	NM
14:20:00	NL	14:20:00	0.015	NM
14:25:00	NL	14:25:00	0.004	NM
14:30:00	NL	14:30:00	0.004	NM
14:35:00	NL	14:35:00	0.003	NM
14:40:00	NL	14:40:00	0.012	NM
14:45:00	NL	14:45:00	0.004	NM
14:50:00	NL	14:50:00	0.003	NM
14:55:00	NL	14:55:00	0.009	NM

15:00:00	NL	15:00:00	0.004	NM
15:05:00	NL	15:05:00	0.032	NM
15:10:00	NL	15:10:00	0.010	NM
15:15:00	NL	15:15:00	0.013	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 11/3/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
8:05:00	NL	8:05:00	0.019	NM
8:10:00	NL	8:10:00	0.004	NM
8:15:00	NL	8:15:00	0.004	NM
8:20:00	NL	8:20:00	0.005	NM
8:25:00	NL	8:25:00	0.004	NM
8:30:00	NL	8:30:00	0.005	NM
8:35:00	NL	8:35:00	0.008	NM
8:40:00	NL	8:40:00	0.004	NM
8:45:00	NL	8:45:00	0.006	NM
8:50:00	NL	8:50:00	0.004	NM
8:55:00	NL	8:55:00	0.005	NM
9:00:00	NL	9:00:00	0.004	NM
9:05:00	NL	9:05:00	0.004	NM
9:10:00	NL	9:10:00	0.004	NM
9:15:00	NL	9:15:00	0.006	NM
9:20:00	NL	9:20:00	0.005	NM
9:25:00	NL	9:25:00	0.009	NM
9:30:00	NL	9:30:00	0.004	NM
9:35:00	NL	9:35:00	0.003	NM
9:40:00	NL	9:40:00	0.006	NM
9:45:00	NL	9:45:00	0.005	NM
9:50:00	NL	9:50:00	0.008	NM
9:55:00	NL	9:55:00	0.005	NM
10:00:00	NL	10:00:00	0.006	NM
10:05:00	NL	10:05:00	0.006	NM
10:10:00	NL	10:10:00	0.006	NM
10:15:00	NL	10:15:00	0.004	NM
10:20:00	NL	10:20:00	0.004	NM
10:25:00	NL	10:25:00	0.004	NM
10:30:00	NL	10:30:00	0.003	NM
10:35:00	NL	10:35:00	0.005	NM
10:40:00	NL	10:40:00	0.004	NM
10:45:00	NL	10:45:00	0.013	NM
10:50:00	NL	10:50:00	0.004	NM
10:55:00	NL	10:55:00	0.004	NM
11:00:00	NL	11:00:00	0.004	NM

11:05:00	NL	11:05:00	0.004	NM
11:10:00	NL	11:10:00	0.005	NM
11:15:00	NL	11:15:00	0.005	NM
11:20:00	NL	11:20:00	0.005	NM
11:25:00	NL	11:25:00	0.003	NM
11:30:00	NL	11:30:00	0.004	NM
11:35:00	NL	11:35:00	0.002	NM
11:40:00	NL	11:40:00	0.002	NM
11:45:00	NL	11:45:00	0.004	NM
11:50:00	NL	11:50:00	0.004	NM
11:55:00	NL	11:55:00	0.003	NM
12:00:00	NL	12:00:00	0.003	NM
12:05:00	NL	12:05:00	0.005	NM
12:10:00	NL	12:10:00	0.006	NM
12:15:00	NL	12:15:00	0.004	NM
12:20:00	NL	12:20:00	0.003	NM
12:25:00	NL	12:25:00	0.003	NM
12:30:00	NL	12:30:00	0.003	NM
12:35:00	NL	12:35:00	0.003	NM
12:40:00	NL	12:40:00	0.004	NM
12:45:00	NL	12:45:00	0.004	NM
12:50:00	NL	12:50:00	0.005	NM
12:55:00	NL	12:55:00	0.004	NM
13:00:00	NL	13:00:00	0.005	NM
13:05:00	NL	13:05:00	0.006	NM
13:10:00	NL	13:10:00	0.004	NM
13:15:00	NL	13:15:00	0.006	NM
13:20:00	NL	13:20:00	0.008	NM
13:25:00	NL	13:25:00	0.005	NM
13:30:00	NL	13:30:00	0.006	NM
13:35:00	NL	13:35:00	0.005	NM
13:40:00	NL	13:40:00	0.004	NM
13:45:00	NL	13:45:00	0.005	NM
13:50:00	NL	13:50:00	0.004	NM
13:55:00	NL	13:55:00	0.006	NM
14:00:00	NL	14:00:00	0.007	NM
14:05:00	NL	14:05:00	0.014	NM
14:10:00	NL	14:10:00	0.019	NM
14:15:00	NL	14:15:00	0.006	NM
14:20:00	NL	14:20:00	0.015	NM
14:25:00	NL	14:25:00	0.004	NM
14:30:00	NL	14:30:00	0.004	NM
14:35:00	NL	14:35:00	0.003	NM
14:40:00	NL	14:40:00	0.012	NM
14:45:00	NL	14:45:00	0.004	NM
14:50:00	NL	14:50:00	0.003	NM
14:55:00	NL	14:55:00	0.009	NM

15:00:00	NL	15:00:00	0.004	NM
15:05:00	NL	15:05:00	0.032	NM
15:10:00	NL	15:10:00	0.010	NM
15:15:00	NL	15:15:00	0.013	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - DUST

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 11/4/2014

Upwind		Downwind		Difference
Time	Conc [mg/m3]	Time	Conc [mg/m3]	
8:15:00	NL	8:15:00	0.017	NM
8:20:00	NL	8:20:00	0.007	NM
8:25:00	NL	8:25:00	0.004	NM
8:30:00	NL	8:30:00	0.003	NM
8:35:00	NL	8:35:00	0.003	NM
8:40:00	NL	8:40:00	0.003	NM
8:45:00	NL	8:45:00	0.003	NM
8:50:00	NL	8:50:00	0.002	NM
8:55:00	NL	8:55:00	0.002	NM
9:00:00	NL	9:00:00	0.002	NM
9:05:00	NL	9:05:00	0.002	NM
9:10:00	NL	9:10:00	0.002	NM
9:15:00	NL	9:15:00	0.002	NM
9:20:00	NL	9:20:00	0.002	NM
9:25:00	NL	9:25:00	0.002	NM
9:30:00	NL	9:30:00	0.002	NM
9:35:00	NL	9:35:00	0.002	NM
9:40:00	NL	9:40:00	0.002	NM
9:45:00	NL	9:45:00	0.002	NM
9:50:00	NL	9:50:00	0.002	NM
9:55:00	NL	9:55:00	0.002	NM
10:00:00	NL	10:00:00	0.003	NM
10:05:00	NL	10:05:00	0.003	NM
10:10:00	NL	10:10:00	0.003	NM
10:15:00	NL	10:15:00	0.003	NM
10:20:00	NL	10:20:00	0.003	NM
10:25:00	NL	10:25:00	0.006	NM
10:30:00	NL	10:30:00	0.004	NM
10:35:00	NL	10:35:00	0.004	NM
10:40:00	NL	10:40:00	0.004	NM
10:45:00	NL	10:45:00	0.003	NM
10:50:00	NL	10:50:00	0.003	NM
10:55:00	NL	10:55:00	0.004	NM
11:00:00	NL	11:00:00	0.003	NM
11:05:00	NL	11:05:00	0.011	NM
11:10:00	NL	11:10:00	0.005	NM

11:15:00	NL	11:15:00	0.006	NM
11:20:00	NL	11:20:00	0.007	NM
11:25:00	NL	11:25:00	0.007	NM
11:30:00	NL	11:30:00	0.006	NM
11:35:00	NL	11:35:00	0.004	NM
11:40:00	NL	11:40:00	0.006	NM
11:45:00	NL	11:45:00	0.007	NM
11:50:00	NL	11:50:00	0.006	NM
11:55:00	NL	11:55:00	0.007	NM
12:00:00	NL	12:00:00	0.006	NM
12:05:00	NL	12:05:00	0.006	NM
12:10:00	NL	12:10:00	0.005	NM
12:15:00	NL	12:15:00	0.006	NM
12:20:00	NL	12:20:00	0.005	NM
12:25:00	NL	12:25:00	0.007	NM
12:30:00	NL	12:30:00	0.005	NM
12:35:00	NL	12:35:00	0.006	NM
12:40:00	NL	12:40:00	0.007	NM
12:45:00	NL	12:45:00	0.006	NM
12:50:00	NL	12:50:00	0.005	NM
12:55:00	NL	12:55:00	0.005	NM
13:00:00	NL	13:00:00	0.005	NM
13:05:00	NL	13:05:00	0.011	NM
13:10:00	NL	13:10:00	0.007	NM
13:15:00	NL	13:15:00	0.006	NM
13:20:00	NL	13:20:00	0.005	NM
13:25:00	NL	13:25:00	0.008	NM
13:30:00	NL	13:30:00	0.008	NM
13:35:00	NL	13:35:00	0.008	NM
13:40:00	NL	13:40:00	0.006	NM
13:45:00	NL	13:45:00	0.007	NM
13:50:00	NL	13:50:00	0.007	NM
13:55:00	NL	13:55:00	0.007	NM
14:00:00	NL	14:00:00	0.006	NM
14:05:00	NL	14:05:00	0.007	NM
14:10:00	NL	14:10:00	0.005	NM
14:15:00	NL	14:15:00	0.005	NM
14:20:00	NL	14:20:00	0.007	NM
14:25:00	NL	14:25:00	0.007	NM
14:30:00	NL	14:30:00	0.005	NM
14:35:00	NL	14:35:00	0.005	NM
14:40:00	NL	14:40:00	0.011	NM
14:45:00	NL	14:45:00	0.018	NM
14:50:00	NL	14:50:00	0.008	NM
14:55:00	NL	14:55:00	0.006	NM
15:00:00	NL	15:00:00	0.006	NM
15:05:00	NL	15:05:00	0.007	NM

15:10:00	NL	15:10:00	0.006	NM
15:15:00	NL	15:15:00	0.008	NM
15:20:00	NL	15:20:00	0.008	NM
15:25:00	NL	15:25:00	0.006	NM
15:30:00	NL	15:30:00	0.009	NM
15:35:00	NL	15:35:00	0.005	NM
15:40:00	NL	15:40:00	0.006	NM
15:45:00	NL	15:45:00	0.006	NM
15:50:00	NL	15:50:00	0.005	NM
15:55:00	NL	15:55:00	0.022	NM
16:00:00	NL	16:00:00	0.013	NM
16:05:00	NL	16:05:00	0.045	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 7/18/14

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:50:00	0.00	7:50:00	0.00	0.00
7:55:00	0.00	7:55:00	0.00	0.00
8:00:00	0.00	8:00:00	0.00	0.00
8:05:00	0.00	8:05:00	0.01	0.01
8:10:00	0.00	8:10:00	0.00	0.00
8:15:00	0.00	8:15:00	0.00	0.00
8:20:00	0.00	8:20:00	0.00	0.00
8:25:00	0.00	8:25:00	0.00	0.00
8:30:00	0.00	8:30:00	0.00	0.00
8:35:00	0.00	8:35:00	0.01	0.01
8:40:00	0.00	8:40:00	0.02	0.02
8:45:00	0.00	8:45:00	0.03	0.03
8:50:00	0.00	8:50:00	0.04	0.04
8:55:00	0.00	8:55:00	0.05	0.05
9:00:00	0.00	9:00:00	0.05	0.05
9:05:00	0.00	9:05:00	0.05	0.05
9:10:00	0.00	9:10:00	0.07	0.07
9:15:00	0.00	9:15:00	0.08	0.08
9:20:00	0.00	9:20:00	0.07	0.07
9:25:00	0.00	9:25:00	0.08	0.08
9:30:00	0.00	9:30:00	0.09	0.09
9:35:00	0.00	9:35:00	0.09	0.09
9:40:00	0.00	9:40:00	0.10	0.10
9:45:00	0.00	9:45:00	0.09	0.09
9:50:00	0.00	9:50:00	0.10	0.10
9:55:00	0.00	9:55:00	0.13	0.13
10:00:00	0.00	10:00:00	0.11	0.11
10:05:00	0.00	10:05:00	0.11	0.11
10:10:00	0.00	10:10:00	0.12	0.12
10:15:00	0.00	10:15:00	0.12	0.12
10:20:00	0.00	10:20:00	0.10	0.10
10:25:00	0.00	10:25:00	0.10	0.10
10:30:00	0.00	10:30:00	0.09	0.09
10:35:00	0.00	10:35:00	0.09	0.09
10:40:00	0.00	10:40:00	0.08	0.08
10:45:00	0.00	10:45:00	0.08	0.08

10:50:00	0.00	10:50:00	0.07	0.07
10:55:00	0.00	10:55:00	0.07	0.07
11:00:00	0.00	11:00:00	0.07	0.07
11:05:00	0.00	11:05:00	0.07	0.07
11:10:00	0.00	11:10:00	0.06	0.06
11:15:00	0.00	11:15:00	0.10	0.10
11:20:00	0.00	11:20:00	0.06	0.06
11:25:00	0.00	11:25:00	0.05	0.05
11:30:00	0.00	11:30:00	0.06	0.06
11:35:00	0.00	11:35:00	0.05	0.05
11:40:00	0.00	11:40:00	0.06	0.06
11:45:00	0.00	11:45:00	0.05	0.05
11:50:00	0.00	11:50:00	0.05	0.05
11:55:00	0.00	11:55:00	0.05	0.05

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 7/24/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:30:00	0.00	7:30:00	0.00	0.00
7:35:00	0.00	7:35:00	0.00	0.00
7:40:00	0.00	7:40:00	0.00	0.00
7:45:00	0.00	7:45:00	0.00	0.00
7:50:00	0.00	7:50:00	0.00	0.00
7:55:00	0.00	7:55:00	0.00	0.00
8:00:00	0.00	8:00:00	0.00	0.00
8:05:00	0.00	8:05:00	0.00	0.00
8:10:00	0.00	8:10:00	0.00	0.00
8:15:00	0.00	8:15:00	0.00	0.00
8:20:00	0.00	8:20:00	0.00	0.00
8:25:00	0.00	8:25:00	0.00	0.00
8:30:00	0.00	8:30:00	0.00	0.00
8:35:00	0.00	8:35:00	0.00	0.00
8:40:00	0.00	8:40:00	0.00	0.00
8:45:00	0.00	8:45:00	0.00	0.00
8:50:00	0.00	8:50:00	0.00	0.00
8:55:00	0.00	8:55:00	0.00	0.00
9:00:00	0.00	9:00:00	0.00	0.00
9:05:00	0.00	9:05:00	0.00	0.00
9:10:00	0.00	9:10:00	0.00	0.00
9:15:00	0.00	9:15:00	0.00	0.00
9:20:00	0.00	9:20:00	0.00	0.00
9:25:00	0.00	9:25:00	0.00	0.00
9:30:00	0.00	9:30:00	0.00	0.00
9:35:00	0.00	9:35:00	0.00	0.00
9:40:00	0.00	9:40:00	0.00	0.00
9:45:00	0.00	9:45:00	0.00	0.00
9:50:00	0.00	9:50:00	0.00	0.00
9:55:00	0.00	9:55:00	0.00	0.00
10:00:00	0.00	10:00:00	0.00	0.00
10:05:00	0.00	10:05:00	0.00	0.00
10:10:00	0.00	10:10:00	0.00	0.00
10:15:00	0.00	10:15:00	0.00	0.00
10:20:00	0.00	10:20:00	0.00	0.00
10:25:00	0.00	10:25:00	0.00	0.00

10:30:00	0.00	10:30:00	0.00	0.00
10:35:00	0.00	10:35:00	0.00	0.00
10:40:00	0.00	10:40:00	0.00	0.00
10:45:00	0.00	10:45:00	0.00	0.00
10:50:00	0.00	10:50:00	0.00	0.00
10:55:00	0.00	10:55:00	0.00	0.00
11:00:00	0.00	11:00:00	0.00	0.00
11:05:00	0.00	11:05:00	0.00	0.00
11:10:00	0.00	11:10:00	0.00	0.00
11:15:00	0.00	11:15:00	0.00	0.00
11:20:00	0.00	11:20:00	0.00	0.00
11:25:00	0.00	11:25:00	0.00	0.00
11:30:00	0.00	11:30:00	0.00	0.00
11:35:00	0.00	11:35:00	0.00	0.00
11:40:00	0.00	11:40:00	0.00	0.00
11:45:00	0.00	11:45:00	0.00	0.00
11:50:00	0.00	11:50:00	0.00	0.00
11:55:00	0.00	11:55:00	0.00	0.00
12:00:00	0.00	12:00:00	0.00	0.00
12:05:00	0.00	12:05:00	0.00	0.00
12:10:00	0.00	12:10:00	0.00	0.00
12:15:00	0.00	12:15:00	0.00	0.00
12:20:00	0.00	12:20:00	0.00	0.00
12:25:00	0.00	12:25:00	0.00	0.00
12:30:00	0.00	12:30:00	0.00	0.00
12:35:00	0.00	12:35:00	0.00	0.00
12:40:00	0.00	12:40:00	0.00	0.00
12:45:00	0.00	12:45:00	0.00	0.00
12:50:00	0.00	12:50:00	0.00	0.00
12:55:00	0.00	12:55:00	0.00	0.00
13:00:00	0.00	13:00:00	0.00	0.00
13:05:00	0.00	13:05:00	0.00	0.00
13:10:00	0.00	13:10:00	0.00	0.00
13:15:00	0.00	13:15:00	0.00	0.00
13:20:00	0.00	13:20:00	0.00	0.00

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/8/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
8:05:00	NL	8:05:00	0.02	NM
8:10:00	NL	8:10:00	0.00	NM
8:15:00	NL	8:15:00	0.00	NM
8:20:00	NL	8:20:00	0.00	NM
8:25:00	NL	8:25:00	0.00	NM
8:30:00	NL	8:30:00	0.00	NM
8:35:00	NL	8:35:00	0.00	NM
8:40:00	0.00	8:40:00	0.00	0.00
8:45:00	0.00	8:45:00	0.00	0.00
8:50:00	0.00	8:50:00	0.00	0.00
8:55:00	0.00	8:55:00	0.02	0.02
9:00:00	0.00	9:00:00	0.03	0.03
9:05:00	0.00	9:05:00	0.04	0.04
9:10:00	0.00	9:10:00	0.06	0.06
9:15:00	0.00	9:15:00	0.06	0.06
9:20:00	0.00	9:20:00	0.06	0.06
9:25:00	0.00	9:25:00	0.06	0.06
9:30:00	0.00	9:30:00	0.07	0.07
9:35:00	0.00	9:35:00	0.07	0.07
9:40:00	0.00	9:40:00	0.09	0.09
9:45:00	0.00	9:45:00	0.08	0.08
9:50:00	0.00	9:50:00	0.10	0.10

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/10/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:15:00	0.0	8:15:00	NL	NM
8:20:00	0.0	8:20:00	NL	NM
8:25:00	0.0	8:25:00	NL	NM
8:30:00	0.0	8:30:00	NL	NM
8:35:00	0.1	8:35:00	NL	NM
8:40:00	0.1	8:40:00	NL	NM
8:45:00	0.1	8:45:00	NL	NM
8:50:00	0.1	8:50:00	NL	NM
8:55:00	0.1	8:55:00	NL	NM
9:00:00	0.1	9:00:00	NL	NM
9:05:00	0.1	9:05:00	NL	NM
9:10:00	0.1	9:10:00	NL	NM
9:15:00	0.1	9:15:00	NL	NM
9:20:00	0.1	9:20:00	NL	NM
9:25:00	0.1	9:25:00	NL	NM
9:30:00	0.1	9:30:00	NL	NM
9:35:00	0.1	9:35:00	NL	NM
9:40:00	0.1	9:40:00	NL	NM
9:45:00	0.1	9:45:00	NL	NM
9:50:00	0.1	9:50:00	NL	NM
9:55:00	0.1	9:55:00	NL	NM
10:00:00	0.1	10:00:00	NL	NM
10:05:00	0.1	10:05:00	NL	NM
10:10:00	0.1	10:10:00	NL	NM
10:15:00	0.1	10:15:00	NL	NM
10:20:00	0.1	10:20:00	NL	NM
10:25:00	0.1	10:25:00	NL	NM
10:30:00	0.1	10:30:00	NL	NM
10:35:00	0.1	10:35:00	NL	NM
10:40:00	0.1	10:40:00	NL	NM
10:45:00	0.1	10:45:00	NL	NM
10:50:00	0.1	10:50:00	NL	NM
10:55:00	0.1	10:55:00	NL	NM
11:00:00	0.1	11:00:00	NL	NM
11:05:00	0.1	11:05:00	NL	NM
11:10:00	0.1	11:10:00	NL	NM

11:15:00	0.1	11:15:00	NL	NM
11:20:00	0.1	11:20:00	NL	NM
11:25:00	0.1	11:25:00	NL	NM
11:30:00	0.1	11:30:00	NL	NM
11:35:00	0.0	11:35:00	NL	NM
11:40:00	0.0	11:40:00	NL	NM
11:45:00	0.0	11:45:00	NL	NM
11:50:00	0.1	11:50:00	NL	NM
11:55:00	0.1	11:55:00	NL	NM
12:00:00	0.1	12:00:00	NL	NM
12:05:00	0.0	12:05:00	NL	NM
12:10:00	0.0	12:10:00	NL	NM
12:15:00	0.0	12:15:00	NL	NM
12:20:00	0.0	12:20:00	NL	NM
12:25:00	0.0	12:25:00	NL	NM
12:30:00	0.0	12:30:00	NL	NM
12:35:00	0.0	12:35:00	NL	NM
12:40:00	0.0	12:40:00	NL	NM
12:45:00	0.0	12:45:00	NL	NM
12:50:00	0.0	12:50:00	NL	NM
12:55:00	0.0	12:55:00	NL	NM
1:00:00	0.0	1:00:00	NL	NM
1:05:00	0.0	1:05:00	NL	NM
1:10:00	0.0	1:10:00	NL	NM
1:15:00	0.0	1:15:00	NL	NM
1:20:00	0.0	1:20:00	NL	NM
1:25:00	0.0	1:25:00	NL	NM
1:30:00	0.0	1:30:00	NL	NM
1:35:00	0.0	1:35:00	NL	NM
1:40:00	0.0	1:40:00	NL	NM
1:45:00	0.0	1:45:00	NL	NM
1:50:00	0.0	1:50:00	NL	NM
1:55:00	0.0	1:55:00	NL	NM
2:00:00	0.0	2:00:00	NL	NM
2:05:00	0.0	2:05:00	NL	NM
2:10:00	0.0	2:10:00	NL	NM
2:15:00	0.0	2:15:00	NL	NM
2:20:00	0.0	2:20:00	NL	NM
2:25:00	0.0	2:25:00	NL	NM
2:30:00	0.0	2:30:00	NL	NM
2:35:00	0.0	2:35:00	NL	NM
2:40:00	0.0	2:40:00	NL	NM
2:45:00	0.0	2:45:00	NL	NM
2:50:00	0.0	2:50:00	NL	NM
2:55:00	0.0	2:55:00	NL	NM
3:00:00	0.0	3:00:00	NL	NM
3:05:00	0.0	3:05:00	NL	NM

3:10:00	0.0	3:10:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/11/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:35:00	0.00	7:35:00	NL	NM
7:40:00	0.00	7:40:00	NL	NM
7:45:00	0.00	7:45:00	NL	NM
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.01	8:50:00	NL	NM
8:55:00	0.01	8:55:00	NL	NM
9:00:00	0.01	9:00:00	NL	NM
9:05:00	0.01	9:05:00	NL	NM
9:10:00	0.01	9:10:00	NL	NM
9:15:00	0.01	9:15:00	NL	NM
9:20:00	0.01	9:20:00	NL	NM
9:25:00	0.01	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.01	9:40:00	NL	NM
9:45:00	0.02	9:45:00	NL	NM
9:50:00	0.03	9:50:00	NL	NM
9:55:00	0.04	9:55:00	NL	NM
10:00:00	0.02	10:00:00	NL	NM
10:05:00	0.02	10:05:00	NL	NM
10:10:00	0.02	10:10:00	NL	NM
10:15:00	0.00	10:15:00	NL	NM
10:20:00	0.00	10:20:00	NL	NM
10:25:00	0.00	10:25:00	NL	NM
10:30:00	0.00	10:30:00	NL	NM

10:35:00	0.00	10:35:00	NL	NM
10:40:00	0.00	10:40:00	NL	NM
10:45:00	0.00	10:45:00	NL	NM
10:50:00	0.00	10:50:00	NL	NM
10:55:00	0.00	10:55:00	NL	NM
11:00:00	0.00	11:00:00	NL	NM
11:05:00	0.00	11:05:00	NL	NM
11:10:00	0.00	11:10:00	NL	NM
11:15:00	0.00	11:15:00	NL	NM
11:20:00	0.00	11:20:00	NL	NM
11:25:00	0.00	11:25:00	NL	NM
11:30:00	0.01	11:30:00	NL	NM
11:35:00	0.01	11:35:00	NL	NM
11:40:00	0.01	11:40:00	NL	NM
11:45:00	0.01	11:45:00	NL	NM
11:50:00	0.01	11:50:00	NL	NM
11:55:00	0.01	11:55:00	NL	NM
12:00:00	0.01	12:00:00	NL	NM
12:05:00	0.01	12:05:00	NL	NM
12:10:00	0.00	12:10:00	NL	NM
12:15:00	0.00	12:15:00	NL	NM
12:20:00	0.01	12:20:00	NL	NM
12:25:00	0.02	12:25:00	NL	NM
12:30:00	0.03	12:30:00	NL	NM
12:35:00	0.04	12:35:00	NL	NM
12:40:00	0.02	12:40:00	NL	NM
12:45:00	0.02	12:45:00	NL	NM
12:50:00	0.02	12:50:00	NL	NM
12:55:00	0.02	12:55:00	NL	NM
1:00:00	0.02	1:00:00	NL	NM
1:05:00	0.02	1:05:00	NL	NM
1:10:00	0.02	1:10:00	NL	NM
1:15:00	0.02	1:15:00	NL	NM
1:20:00	0.02	1:20:00	NL	NM
1:25:00	0.02	1:25:00	NL	NM
1:30:00	0.02	1:30:00	NL	NM
1:35:00	0.02	1:35:00	NL	NM
1:40:00	0.02	1:40:00	NL	NM
1:45:00	0.02	1:45:00	NL	NM
1:50:00	0.02	1:50:00	NL	NM
1:55:00	0.02	1:55:00	NL	NM
2:00:00	0.02	2:00:00	NL	NM
2:05:00	0.02	2:05:00	NL	NM
2:10:00	0.02	2:10:00	NL	NM
2:15:00	0.02	2:15:00	NL	NM
2:20:00	0.02	2:20:00	NL	NM
2:25:00	0.02	2:25:00	NL	NM

2:30:00	0.02	2:30:00	NL	NM
2:35:00	0.02	2:35:00	NL	NM
2:40:00	0.02	2:40:00	NL	NM
2:45:00	0.02	2:45:00	NL	NM
2:50:00	0.02	2:50:00	NL	NM
2:55:00	0.02	2:55:00	NL	NM
3:00:00	0.02	3:00:00	NL	NM
3:05:00	0.02	3:05:00	NL	NM
3:10:00	0.02	3:10:00	NL	NM
3:15:00	0.02	3:15:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/12/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:50:00	NL	7:50:00	0.00	NM
7:55:00	NL	7:55:00	0.00	NM
8:00:00	NL	8:00:00	0.00	NM
8:05:00	NL	8:05:00	0.00	NM
8:10:00	NL	8:10:00	0.01	NM
8:15:00	NL	8:15:00	0.03	NM
8:20:00	NL	8:20:00	0.05	NM
8:25:00	NL	8:25:00	0.07	NM
8:30:00	NL	8:30:00	0.06	NM
8:35:00	NL	8:35:00	0.08	NM
8:40:00	NL	8:40:00	0.07	NM
8:45:00	NL	8:45:00	0.07	NM
8:50:00	0.00	8:50:00	0.08	0.08
8:55:00	0.00	8:55:00	0.09	0.09
9:00:00	0.00	9:00:00	0.11	0.11
9:05:00	0.00	9:05:00	0.08	0.08
9:10:00	0.00	9:10:00	0.08	0.08
9:15:00	0.00	9:15:00	0.05	0.05
9:20:00	0.00	9:20:00	0.06	0.06
9:25:00	0.00	9:25:00	0.06	0.06
9:30:00	0.00	9:30:00	0.05	0.05
9:35:00	0.00	9:35:00	0.05	0.05
9:40:00	0.00	9:40:00	0.05	0.05
9:45:00	0.00	9:45:00	0.05	0.05
9:50:00	0.00	9:50:00	0.05	0.05
9:55:00	0.00	9:55:00	0.05	0.05
10:00:00	0.00	10:00:00	0.05	0.05
10:05:00	0.00	10:05:00	0.04	0.04
10:10:00	0.00	10:10:00	0.05	0.05
10:15:00	0.00	10:15:00	0.04	0.04
10:20:00	0.00	10:20:00	0.04	0.04
10:25:00	0.00	10:25:00	0.04	0.04
10:30:00	0.00	10:30:00	0.04	0.04
10:35:00	0.00	10:35:00	0.04	0.04
10:40:00	0.00	10:40:00	0.04	0.04
10:45:00	0.00	10:45:00	0.04	0.04

10:50:00	0.00	10:50:00	0.05	0.05
10:55:00	0.00	10:55:00	0.03	0.03
11:00:00	0.00	11:00:00	0.06	0.06
11:05:00	0.00	11:05:00	0.04	0.04
11:10:00	0.00	11:10:00	0.04	0.04
11:15:00	0.00	11:15:00	0.03	0.03
11:20:00	0.00	11:20:00	0.03	0.03
11:25:00	0.00	11:25:00	0.03	0.03
11:30:00	0.00	11:30:00	0.03	0.03
11:35:00	0.00	11:35:00	0.03	0.03
11:40:00	0.00	11:40:00	0.03	0.03
11:45:00	0.00	11:45:00	0.02	0.02
11:50:00	0.00	11:50:00	0.02	0.02
11:55:00	0.00	11:55:00	0.02	0.02
12:00:00	0.00	12:00:00	0.02	0.02
12:05:00	0.00	12:05:00	0.02	0.02
12:10:00	0.00	12:10:00	0.03	0.03
12:15:00	0.00	12:15:00	0.03	0.03
12:20:00	0.00	12:20:00	0.03	0.03
12:25:00	0.00	12:25:00	0.02	0.02
12:30:00	0.00	12:30:00	0.03	0.03
12:35:00	0.00	12:35:00	0.04	0.04
12:40:00	0.00	12:40:00	0.03	0.03
12:45:00	0.00	12:45:00	0.02	0.02
12:50:00	0.00	12:50:00	0.02	0.02
12:55:00	0.00	12:55:00	0.02	0.02
1:00:00	0.00	1:00:00	0.02	0.02
1:05:00	0.00	1:05:00	0.03	0.03
1:10:00	0.00	1:10:00	0.02	0.02
1:15:00	0.00	1:15:00	0.02	0.02
1:20:00	0.00	1:20:00	0.03	0.03
1:25:00	0.00	1:25:00	0.02	0.02
1:30:00	0.00	1:30:00	0.01	0.01
1:35:00	0.00	1:35:00	0.03	0.03
1:40:00	0.00	1:40:00	0.05	0.05
1:45:00	0.00	1:45:00	0.04	0.04
1:50:00	0.00	1:50:00	0.04	0.04
1:55:00	0.00	1:55:00	0.04	0.04
2:00:00	0.00	2:00:00	0.04	0.04
2:05:00	0.00	2:05:00	0.04	0.04
2:10:00	0.00	2:10:00	0.04	0.04
2:15:00	0.00	2:15:00	0.06	0.06
2:20:00	0.00	2:20:00	0.06	0.06
2:25:00	0.00	2:25:00	0.03	0.03
2:30:00	0.00	2:30:00	0.04	0.04
2:35:00	0.00	2:35:00	0.04	0.04
2:40:00	0.00	2:40:00	0.04	0.04

2:45:00	0.00	2:45:00	0.07	0.07

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/15/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:00:00	0.00	8:00:00	0.07	0.07
8:05:00	0.00	8:05:00	0.10	0.10
8:10:00	0.00	8:10:00	0.09	0.09
8:15:00	0.00	8:15:00	0.12	0.12
8:20:00	0.00	8:20:00	0.18	0.18
8:25:00	0.00	8:25:00	0.12	0.12
8:30:00	0.00	8:30:00	0.18	0.18
8:35:00	0.00	8:35:00	0.10	0.10
8:40:00	0.00	8:40:00	0.10	0.10
8:45:00	0.00	8:45:00	0.12	0.12
8:50:00	0.00	8:50:00	0.13	0.13
8:55:00	0.00	8:55:00	0.11	0.11
9:00:00	0.00	9:00:00	0.11	0.11
9:05:00	0.00	9:05:00	0.13	0.13
9:10:00	0.00	9:10:00	0.12	0.12
9:15:00	0.00	9:15:00	0.12	0.12
9:20:00	0.00	9:20:00	0.12	0.12
9:25:00	0.00	9:25:00	0.13	0.13
9:30:00	0.00	9:30:00	0.12	0.12
9:35:00	0.00	9:35:00	0.13	0.13
9:40:00	0.00	9:40:00	0.12	0.12
9:45:00	0.00	9:45:00	0.11	0.11
9:50:00	0.06	9:50:00	0.10	0.05
9:55:00	0.06	9:55:00	0.10	0.05
10:00:00	0.06	10:00:00	0.09	0.03
10:05:00	0.06	10:05:00	0.08	0.03
10:10:00	0.06	10:10:00	0.09	0.03
10:15:00	0.06	10:15:00	0.08	0.03
10:20:00	0.06	10:20:00	0.07	0.01
10:25:00	0.06	10:25:00	0.08	0.02
10:30:00	0.06	10:30:00	0.07	0.01
10:35:00	0.06	10:35:00	0.06	0.01
10:40:00	0.06	10:40:00	0.06	0.00
10:45:00	0.06	10:45:00	0.05	0.00
10:50:00	0.06	10:50:00	0.05	0.00
10:55:00	0.06	10:55:00	0.05	-0.01

11:00:00	0.06	11:00:00	0.05	-0.01
11:05:00	0.06	11:05:00	0.04	-0.01
11:10:00	0.06	11:10:00	0.04	-0.02
11:15:00	0.06	11:15:00	0.04	-0.02
11:20:00	0.06	11:20:00	0.04	-0.02
11:25:00	0.06	11:25:00	0.03	-0.03
11:30:00	0.06	11:30:00	0.03	-0.02
11:35:00	0.06	11:35:00	0.04	-0.01
11:40:00	0.06	11:40:00	0.04	-0.02
11:45:00	0.06	11:45:00	0.03	-0.02
11:50:00	0.06	11:50:00	0.03	-0.03
11:55:00	0.06	11:55:00	0.03	-0.03
12:00:00	0.06	12:00:00	0.02	-0.03
12:05:00	0.06	12:05:00	0.02	-0.04
12:10:00	0.06	12:10:00	0.02	-0.03
12:15:00	0.06	12:15:00	0.02	-0.03
12:20:00	0.06	12:20:00	0.02	-0.03
12:25:00	0.06	12:25:00	0.02	-0.04
12:30:00	0.06	12:30:00	0.04	-0.01
12:35:00	0.06	12:35:00	0.01	-0.05
12:40:00	0.06	12:40:00	0.02	-0.04
12:45:00	0.06	12:45:00	0.02	-0.03
12:50:00	0.06	12:50:00	0.00	-0.05
12:55:00	0.06	12:55:00	0.00	-0.06
1:00:00	0.06	1:00:00	0.00	-0.06
1:05:00	0.06	1:05:00	0.00	-0.05
1:10:00	0.06	1:10:00	0.00	-0.05
1:15:00	0.06	1:15:00	0.00	-0.06
1:20:00	0.06	1:20:00	0.00	-0.06
1:25:00	0.06	1:25:00	0.00	-0.05
1:30:00	0.06	1:30:00	0.00	-0.06
1:35:00	0.06	1:35:00	0.00	-0.06
1:40:00	0.06	1:40:00	0.00	-0.06
1:45:00	0.06	1:45:00	0.00	-0.06
1:50:00	0.06	1:50:00	0.00	-0.06
1:55:00	0.06	1:55:00	0.00	-0.06
2:00:00	0.06	2:00:00	0.02	-0.03

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/16/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:55:00	0.00	7:55:00	0.06	0.06
8:00:00	0.00	8:00:00	0.07	0.07
8:05:00	0.00	8:05:00	0.08	0.08
8:10:00	0.00	8:10:00	0.10	0.10
8:15:00	0.00	8:15:00	0.07	0.07
8:20:00	0.00	8:20:00	0.04	0.04
8:25:00	0.00	8:25:00	0.04	0.04
8:30:00	0.00	8:30:00	0.04	0.04
8:35:00	0.00	8:35:00	0.05	0.05
8:40:00	0.00	8:40:00	0.05	0.05
8:45:00	0.00	8:45:00	0.05	0.05
8:50:00	0.00	8:50:00	0.05	0.05
8:55:00	0.00	8:55:00	0.07	0.07
9:00:00	0.00	9:00:00	0.06	0.06
9:05:00	0.00	9:05:00	0.07	0.07
9:10:00	0.00	9:10:00	0.07	0.07
9:15:00	0.00	9:15:00	0.07	0.07
9:20:00	0.00	9:20:00	0.07	0.07
9:25:00	0.00	9:25:00	0.07	0.07
9:30:00	0.00	9:30:00	0.07	0.07
9:35:00	0.00	9:35:00	0.08	0.08
9:40:00	0.00	9:40:00	0.08	0.08
9:45:00	0.00	9:45:00	0.09	0.09
9:50:00	0.00	9:50:00	0.08	0.08
9:55:00	0.00	9:55:00	0.13	0.13
10:00:00	0.00	10:00:00	0.11	0.11
10:05:00	0.00	10:05:00	0.08	0.08
10:10:00	0.00	10:10:00	0.07	0.07
10:15:00	0.07	10:15:00	0.07	0.00
10:20:00	0.07	10:20:00	0.10	0.03
10:25:00	0.07	10:25:00	0.10	0.03
10:30:00	0.07	10:30:00	0.12	0.05
10:35:00	0.07	10:35:00	0.11	0.05
10:40:00	0.07	10:40:00	0.12	0.05
10:45:00	0.07	10:45:00	0.13	0.07
10:50:00	0.07	10:50:00	0.16	0.09

10:55:00	0.07	10:55:00	0.14	0.07
11:00:00	0.07	11:00:00	0.17	0.10
11:05:00	0.07	11:05:00	0.15	0.08
11:10:00	0.07	11:10:00	0.15	0.08
11:15:00	0.07	11:15:00	0.17	0.11
11:20:00	0.07	11:20:00	0.16	0.10
11:25:00	0.07	11:25:00	0.16	0.09
11:30:00	0.07	11:30:00	0.17	0.10
11:35:00	0.07	11:35:00	0.17	0.10
11:40:00	0.07	11:40:00	0.17	0.10
11:45:00	0.07	11:45:00	0.17	0.10
11:50:00	0.07	11:50:00	0.18	0.11
11:55:00	0.07	11:55:00	0.18	0.11
12:00:00	0.07	12:00:00	0.18	0.12
12:05:00	0.07	12:05:00	0.20	0.13
12:10:00	0.07	12:10:00	0.19	0.13
12:15:00	0.07	12:15:00	0.20	0.13
12:20:00	0.07	12:20:00	0.22	0.15
12:25:00	0.07	12:25:00	0.19	0.13
12:30:00	0.07	12:30:00	0.19	0.12
12:35:00	0.07	12:35:00	13.07	13.01
12:40:00	0.07	12:40:00	0.52	0.46
12:45:00	0.07	12:45:00	2.34	2.27
12:50:00	0.07	12:50:00	1.19	1.13
12:55:00	0.07	12:55:00	0.29	0.22
1:00:00	0.03	1:00:00	0.29	0.26
1:05:00	0.03	1:05:00	0.28	0.25
1:10:00	0.03	1:10:00	0.30	0.27
1:15:00	0.03	1:15:00	0.37	0.34
1:20:00	0.03	1:20:00	0.26	0.23
1:25:00	0.03	1:25:00	0.31	0.28
1:30:00	0.03	1:30:00	0.23	0.20
1:35:00	0.03	1:35:00	0.22	0.19
1:40:00	0.03	1:40:00	0.22	0.19
1:45:00	0.03	1:45:00	0.22	0.19
1:50:00	0.03	1:50:00	0.20	0.17
1:55:00	0.03	1:55:00	0.20	0.17
2:00:00	0.03	2:00:00	0.21	0.18
2:05:00	0.03	2:05:00	0.18	0.15
2:10:00	0.03	2:10:00	0.18	0.15
2:15:00	0.03	2:15:00	0.17	0.14
2:20:00	0.03	2:20:00	0.19	0.16
2:25:00	0.03	2:25:00	0.19	0.16
2:30:00	0.03	2:30:00	0.18	0.15

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/17/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:50:00	0.00	7:50:00	0.08	0.08
7:55:00	0.00	7:55:00	0.01	0.01
8:00:00	0.00	8:00:00	0.03	0.03
8:05:00	0.00	8:05:00	0.03	0.03
8:10:00	0.00	8:10:00	0.07	0.07
8:15:00	0.00	8:15:00	0.04	0.04
8:20:00	0.00	8:20:00	0.02	0.02
8:25:00	0.00	8:25:00	0.01	0.01
8:30:00	0.00	8:30:00	0.02	0.02
8:35:00	0.00	8:35:00	0.03	0.03
8:40:00	0.00	8:40:00	0.02	0.02
8:45:00	0.00	8:45:00	0.08	0.08
8:50:00	0.00	8:50:00	0.12	0.12
8:55:00	0.00	8:55:00	0.12	0.12
9:00:00	0.00	9:00:00	0.10	0.10
9:05:00	0.00	9:05:00	0.07	0.07
9:10:00	0.01	9:10:00	0.06	0.05
9:15:00	0.01	9:15:00	0.08	0.07
9:20:00	0.02	9:20:00	0.07	0.05
9:25:00	0.01	9:25:00	0.08	0.06
9:30:00	0.02	9:30:00	0.06	0.04
9:35:00	0.03	9:35:00	0.08	0.05
9:40:00	0.03	9:40:00	0.09	0.06
9:45:00	0.03	9:45:00	0.06	0.03
9:50:00	0.03	9:50:00	0.06	0.02
9:55:00	0.01	9:55:00	0.06	0.06
10:00:00	0.01	10:00:00	0.05	0.04
10:05:00	0.02	10:05:00	0.09	0.07
10:10:00	0.01	10:10:00	0.07	0.05
10:15:00	0.02	10:15:00	0.07	0.05
10:20:00	0.03	10:20:00	0.07	0.05
10:25:00	0.03	10:25:00	0.05	0.02
10:30:00	0.03	10:30:00	0.05	0.03
10:35:00	0.03	10:35:00	0.05	0.01
10:40:00	0.03	10:40:00	0.04	0.01
10:45:00	0.03	10:45:00	0.03	0.00

10:50:00	0.03	10:50:00	0.02	-0.01
10:55:00	0.03	10:55:00	0.05	0.02
11:00:00	0.03	11:00:00	0.03	0.00
11:05:00	0.03	11:05:00	0.00	-0.03
11:10:00	0.03	11:10:00	0.00	-0.03
11:15:00	0.03	11:15:00	0.00	-0.03
11:20:00	0.03	11:20:00	0.00	-0.03
11:25:00	0.03	11:25:00	0.00	-0.03
11:30:00	0.03	11:30:00	0.00	-0.03
11:35:00	0.03	11:35:00	0.00	-0.03
11:40:00	0.03	11:40:00	0.00	-0.03
11:45:00	0.03	11:45:00	0.00	-0.03
11:50:00	0.03	11:50:00	0.00	-0.03
11:55:00	0.03	11:55:00	0.00	-0.03
12:00:00	0.03	12:00:00	0.00	-0.03
12:05:00	0.03	12:05:00	0.00	-0.03
12:10:00	0.03	12:10:00	0.00	-0.03
12:15:00	0.03	12:15:00	0.00	-0.03
12:20:00	0.03	12:20:00	0.00	-0.03
12:25:00	0.03	12:25:00	0.00	-0.03
12:30:00	0.03	12:30:00	0.00	-0.03
12:35:00	0.03	12:35:00	0.00	-0.03
12:40:00	0.03	12:40:00	0.00	-0.03
12:45:00	0.03	12:45:00	0.00	-0.03
12:50:00	0.03	12:50:00	0.00	-0.03
12:55:00	0.03	12:55:00	0.00	-0.03
1:00:00	0.03	1:00:00	0.00	-0.03
1:05:00	0.03	1:05:00	0.00	-0.03
1:10:00	0.03	1:10:00	0.00	-0.03
1:15:00	0.03	1:15:00	0.00	-0.03
1:20:00	0.03	1:20:00	0.00	-0.03
1:25:00	0.03	1:25:00	0.00	-0.03
1:30:00	0.03	1:30:00	0.00	-0.03
1:35:00	0.03	1:35:00	0.00	-0.03
1:40:00	0.03	1:40:00	0.10	0.07
1:45:00	0.03	1:45:00	0.06	0.03
1:50:00	0.03	1:50:00	0.00	-0.03
1:55:00	0.06	1:55:00	0.00	-0.06
2:00:00	0.06	2:00:00	0.00	-0.06
2:05:00	0.06	2:05:00	0.00	-0.06
2:10:00	0.06	2:10:00	0.00	-0.06
2:15:00	0.06	2:15:00	0.00	-0.06
2:20:00	0.04	2:20:00	0.00	-0.04
2:25:00	0.04	2:25:00	0.00	-0.04
2:30:00	0.04	2:30:00	0.00	-0.04
2:35:00	0.04	2:35:00	0.00	-0.04
2:40:00	0.04	2:40:00	0.00	-0.04

2:45:00	0.04	2:45:00	0.00	-0.04

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/18/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM
10:15:00	0.00	10:15:00	NL	NM
10:20:00	0.00	10:20:00	NL	NM
10:25:00	0.00	10:25:00	NL	NM
10:30:00	0.00	10:30:00	NL	NM
10:35:00	0.00	10:35:00	NL	NM
10:40:00	0.00	10:40:00	NL	NM
10:45:00	0.00	10:45:00	NL	NM

10:50:00	0.00	10:50:00	NL	NM
10:55:00	0.00	10:55:00	NL	NM
11:00:00	0.00	11:00:00	NL	NM
11:05:00	0.00	11:05:00	NL	NM
11:10:00	0.00	11:10:00	NL	NM
11:15:00	0.00	11:15:00	NL	NM
11:20:00	0.00	11:20:00	NL	NM
11:25:00	0.00	11:25:00	NL	NM
11:30:00	0.00	11:30:00	NL	NM
11:35:00	0.00	11:35:00	NL	NM
11:40:00	0.00	11:40:00	NL	NM
11:45:00	0.00	11:45:00	NL	NM
11:50:00	0.00	11:50:00	NL	NM
11:55:00	0.00	11:55:00	NL	NM
12:00:00	0.00	12:00:00	NL	NM
12:05:00	0.00	12:05:00	NL	NM
12:10:00	0.00	12:10:00	NL	NM
12:15:00	0.00	12:15:00	NL	NM
12:20:00	0.00	12:20:00	NL	NM
12:25:00	0.00	12:25:00	NL	NM
12:30:00	0.00	12:30:00	NL	NM
12:35:00	0.00	12:35:00	NL	NM
12:40:00	0.00	12:40:00	NL	NM
12:45:00	0.00	12:45:00	NL	NM
12:50:00	0.00	12:50:00	NL	NM
12:55:00	0.00	12:55:00	NL	NM
1:00:00	0.00	1:00:00	NL	NM
1:05:00	0.00	1:05:00	NL	NM
1:10:00	0.00	1:10:00	NL	NM
1:15:00	0.00	1:15:00	NL	NM
1:20:00	0.00	1:20:00	NL	NM
1:25:00	0.00	1:25:00	NL	NM
1:30:00	0.00	1:30:00	NL	NM
1:35:00	0.00	1:35:00	NL	NM
1:40:00	0.00	1:40:00	NL	NM
1:45:00	0.00	1:45:00	NL	NM
1:50:00	0.00	1:50:00	NL	NM
1:55:00	0.00	1:55:00	NL	NM
2:00:00	0.00	2:00:00	NL	NM
2:05:00	0.00	2:05:00	NL	NM
2:10:00	0.00	2:10:00	NL	NM
2:15:00	0.00	2:15:00	NL	NM
2:20:00	0.00	2:20:00	NL	NM
2:25:00	0.00	2:25:00	NL	NM
2:30:00	0.00	2:30:00	NL	NM
2:35:00	0.00	2:35:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/19/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:50:00	0.0	7:50:00	NL	NM
7:55:00	0.0	7:55:00	NL	NM
8:00:00	0.0	8:00:00	NL	NM
8:05:00	0.0	8:05:00	NL	NM
8:10:00	0.0	8:10:00	NL	NM
8:15:00	0.0	8:15:00	NL	NM
8:20:00	0.0	8:20:00	NL	NM
8:25:00	0.0	8:25:00	NL	NM
8:30:00	0.0	8:30:00	NL	NM
8:35:00	0.0	8:35:00	NL	NM
8:40:00	0.0	8:40:00	NL	NM
8:45:00	0.0	8:45:00	NL	NM
8:50:00	0.0	8:50:00	NL	NM
8:55:00	0.0	8:55:00	NL	NM
9:00:00	0.0	9:00:00	NL	NM
9:05:00	0.0	9:05:00	NL	NM
9:10:00	0.0	9:10:00	NL	NM
9:15:00	0.0	9:15:00	NL	NM
9:20:00	0.0	9:20:00	NL	NM
9:25:00	0.0	9:25:00	NL	NM
9:30:00	0.0	9:30:00	NL	NM
9:35:00	0.0	9:35:00	NL	NM
9:40:00	0.0	9:40:00	NL	NM
9:45:00	0.0	9:45:00	NL	NM
9:50:00	0.0	9:50:00	NL	NM
9:55:00	0.0	9:55:00	NL	NM
10:00:00	0.0	10:00:00	NL	NM
10:05:00	0.0	10:05:00	NL	NM
10:10:00	0.0	10:10:00	NL	NM
10:15:00	0.0	10:15:00	NL	NM
10:20:00	0.0	10:20:00	NL	NM
10:25:00	0.0	10:25:00	NL	NM
10:30:00	0.0	10:30:00	NL	NM
10:35:00	0.0	10:35:00	NL	NM
10:40:00	0.0	10:40:00	NL	NM
10:45:00	0.0	10:45:00	NL	NM

10:50:00	0.0	10:50:00	NL	NM
10:55:00	0.0	10:55:00	NL	NM
11:00:00	0.0	11:00:00	NL	NM
11:05:00	0.0	11:05:00	NL	NM
11:10:00	0.0	11:10:00	NL	NM
11:15:00	0.0	11:15:00	NL	NM
11:20:00	0.0	11:20:00	NL	NM
11:25:00	0.0	11:25:00	NL	NM
11:30:00	0.0	11:30:00	NL	NM
11:35:00	0.0	11:35:00	NL	NM
11:40:00	0.0	11:40:00	NL	NM
11:45:00	0.0	11:45:00	NL	NM
11:50:00	0.0	11:50:00	NL	NM
11:55:00	0.0	11:55:00	NL	NM
12:00:00	0.0	12:00:00	NL	NM
12:05:00	0.0	12:05:00	NL	NM
12:10:00	0.0	12:10:00	NL	NM
12:15:00	0.0	12:15:00	NL	NM
12:20:00	0.0	12:20:00	NL	NM
12:25:00	0.0	12:25:00	NL	NM
12:30:00	0.0	12:30:00	NL	NM
12:35:00	0.0	12:35:00	NL	NM
12:40:00	0.0	12:40:00	NL	NM
12:45:00	0.0	12:45:00	NL	NM
12:50:00	0.0	12:50:00	NL	NM
12:55:00	0.0	12:55:00	NL	NM
1:00:00	0.0	1:00:00	NL	NM
1:05:00	0.0	1:05:00	NL	NM
1:10:00	0.0	1:10:00	NL	NM
1:15:00	0.0	1:15:00	NL	NM
1:20:00	0.0	1:20:00	NL	NM
1:25:00	0.0	1:25:00	NL	NM
1:30:00	0.0	1:30:00	NL	NM
1:35:00	0.0	1:35:00	NL	NM
1:40:00	0.0	1:40:00	NL	NM
1:45:00	0.0	1:45:00	NL	NM
1:50:00	0.0	1:50:00	NL	NM
1:55:00	0.0	1:55:00	NL	NM
2:00:00	0.0	2:00:00	NL	NM
2:05:00	0.0	2:05:00	NL	NM
2:10:00	0.0	2:10:00	NL	NM
2:15:00	0.0	2:15:00	NL	NM
2:20:00	0.0	2:20:00	NL	NM
2:25:00	0.0	2:25:00	NL	NM
2:30:00	0.0	2:30:00	NL	NM
2:35:00	0.0	2:35:00	NL	NM
2:40:00	0.0	2:40:00	NL	NM

2:45:00	0.0	2:45:00	NL	NM
2:50:00	0.0	2:50:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/22/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:20:00	NL	8:20:00	0.00	NM
8:25:00	NL	8:25:00	0.00	NM
8:30:00	NL	8:30:00	0.00	NM
8:35:00	NL	8:35:00	0.01	NM
8:40:00	NL	8:40:00	0.02	NM
8:45:00	NL	8:45:00	0.02	NM
8:50:00	0.00	8:50:00	0.02	0.02
8:55:00	0.00	8:55:00	0.01	0.01
9:00:00	0.00	9:00:00	0.02	0.02
9:05:00	0.00	9:05:00	0.02	0.02
9:10:00	0.00	9:10:00	0.11	0.11
9:15:00	0.00	9:15:00	0.01	0.01
9:20:00	0.00	9:20:00	0.01	0.01
9:25:00	0.00	9:25:00	0.04	0.04
9:30:00	0.00	9:30:00	0.06	0.06
9:35:00	0.00	9:35:00	0.06	0.06
9:40:00	0.00	9:40:00	0.07	0.07
9:45:00	0.00	9:45:00	0.06	0.06
9:50:00	0.00	9:50:00	0.11	0.11
9:55:00	0.00	9:55:00	0.12	0.12
10:00:00	0.00	10:00:00	0.12	0.12
10:05:00	0.00	10:05:00	0.12	0.12
10:10:00	0.00	10:10:00	0.18	0.18
10:15:00	0.00	10:15:00	0.16	0.16
10:20:00	0.00	10:20:00	0.20	0.20
10:25:00	0.00	10:25:00	0.17	0.17
10:30:00	0.00	10:30:00	0.17	0.17
10:35:00	0.00	10:35:00	0.23	0.23
10:40:00	0.00	10:40:00	0.15	0.15
10:45:00	0.00	10:45:00	0.17	0.17
10:50:00	0.00	10:50:00	0.19	0.19
10:55:00	0.00	10:55:00	0.17	0.17
11:00:00	0.00	11:00:00	0.15	0.15
11:05:00	0.00	11:05:00	0.19	0.19
11:10:00	0.00	11:10:00	0.16	0.16
11:15:00	0.00	11:15:00	0.16	0.16

11:20:00	0.00	11:20:00	0.23	0.23
11:25:00	0.00	11:25:00	0.18	0.18
11:30:00	0.00	11:30:00	0.16	0.16
11:35:00	0.00	11:35:00	0.18	0.18
11:40:00	0.00	11:40:00	0.19	0.19
11:45:00	0.00	11:45:00	0.15	0.15
11:50:00	0.00	11:50:00	0.17	0.17
11:55:00	0.00	11:55:00	0.14	0.14
12:00:00	0.00	12:00:00	0.14	0.14
12:05:00	0.00	12:05:00	0.13	0.13
12:10:00	0.00	12:10:00	0.13	0.13
12:15:00	0.00	12:15:00	0.12	0.12
12:20:00	0.00	12:20:00	0.17	0.17
12:25:00	0.00	12:25:00	0.14	0.14
12:30:00	0.00	12:30:00	0.14	0.14
12:35:00	0.00	12:35:00	0.14	0.14
12:40:00	0.00	12:40:00	0.17	0.17
12:45:00	0.00	12:45:00	0.12	0.12
12:50:00	0.00	12:50:00	0.12	0.12
12:55:00	0.00	12:55:00	0.12	0.12
1:00:00	0.00	1:00:00	0.18	0.18
1:05:00	0.00	1:05:00	0.12	0.12
1:10:00	0.00	1:10:00	0.14	0.14
1:15:00	0.00	1:15:00	0.13	0.13
1:20:00	0.00	1:20:00	0.14	0.14
1:25:00	0.00	1:25:00	0.14	0.14
1:30:00	0.00	1:30:00	0.13	0.13
1:35:00	0.00	1:35:00	0.20	0.20
1:40:00	0.00	1:40:00	0.17	0.17
1:45:00	0.00	1:45:00	0.19	0.19
1:50:00	0.00	1:50:00	0.18	0.18
1:55:00	0.00	1:55:00	0.19	0.19
2:00:00	0.00	2:00:00	0.13	0.13
2:05:00	0.00	2:05:00	0.18	0.18
2:10:00	0.00	2:10:00	0.24	0.24
2:15:00	0.00	2:15:00	0.19	0.19
2:20:00	0.00	2:20:00	0.17	0.17
2:25:00	0.00	2:25:00	0.17	0.17
2:30:00	0.00	2:30:00	0.18	0.18

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/23/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:20:00	NL	7:20:00	0.05	NM
7:25:00	NL	7:25:00	0.08	NM
7:30:00	NL	7:30:00	0.09	NM
7:35:00	NL	7:35:00	0.10	NM
7:40:00	NL	7:40:00	0.12	NM
7:45:00	NL	7:45:00	0.12	NM
7:50:00	NL	7:50:00	0.16	NM
7:55:00	0.00	7:55:00	0.12	0.12
8:00:00	0.00	8:00:00	0.10	0.10
8:05:00	0.00	8:05:00	0.11	0.11
8:10:00	0.00	8:10:00	0.10	0.10
8:15:00	0.00	8:15:00	0.10	0.10
8:20:00	0.00	8:20:00	0.10	0.10
8:25:00	0.00	8:25:00	0.12	0.12
8:30:00	0.00	8:30:00	0.11	0.11
8:35:00	0.00	8:35:00	0.12	0.12
8:40:00	0.00	8:40:00	0.12	0.12
8:45:00	0.00	8:45:00	0.12	0.12
8:50:00	0.00	8:50:00	0.12	0.12
8:55:00	0.00	8:55:00	0.12	0.12
9:00:00	0.00	9:00:00	0.11	0.11
9:05:00	0.00	9:05:00	0.12	0.12
9:10:00	0.00	9:10:00	0.13	0.13
9:15:00	0.00	9:15:00	0.12	0.12
9:20:00	0.00	9:20:00	0.12	0.12
9:25:00	0.00	9:25:00	0.12	0.12
9:30:00	0.00	9:30:00	0.11	0.11
9:35:00	0.00	9:35:00	0.11	0.11
9:40:00	0.00	9:40:00	0.11	0.11
9:45:00	0.00	9:45:00	0.11	0.11
9:50:00	0.00	9:50:00	0.11	0.11
9:55:00	0.00	9:55:00	0.12	0.12
10:00:00	0.00	10:00:00	0.11	0.11
10:05:00	0.00	10:05:00	0.13	0.13
10:10:00	0.00	10:10:00	0.09	0.09
10:15:00	0.00	10:15:00	0.08	0.08

10:20:00	0.00	10:20:00	0.08	0.08
10:25:00	0.00	10:25:00	0.07	0.07
10:30:00	0.00	10:30:00	0.11	0.11
10:35:00	0.00	10:35:00	0.08	0.08
10:40:00	0.00	10:40:00	0.08	0.08
10:45:00	0.00	10:45:00	0.07	0.07
10:50:00	0.00	10:50:00	0.07	0.07
10:55:00	0.00	10:55:00	0.07	0.07
11:00:00	0.00	11:00:00	0.05	0.05
11:05:00	0.00	11:05:00	0.04	0.04
11:10:00	0.00	11:10:00	0.04	0.04
11:15:00	0.00	11:15:00	0.11	0.11
11:20:00	0.00	11:20:00	0.11	0.11
11:25:00	0.00	11:25:00	0.09	0.09
11:30:00	0.00	11:30:00	0.12	0.12
11:35:00	0.00	11:35:00	0.09	0.09
11:40:00	0.00	11:40:00	0.10	0.10
11:45:00	0.00	11:45:00	0.10	0.10
11:50:00	0.00	11:50:00	0.08	0.08
11:55:00	0.00	11:55:00	0.08	0.08
12:00:00	0.00	12:00:00	0.08	0.08
12:05:00	0.00	12:05:00	0.11	0.11
12:10:00	0.00	12:10:00	0.09	0.09
12:15:00	0.00	12:15:00	0.11	0.11
12:20:00	0.00	12:20:00	0.11	0.11
12:25:00	0.00	12:25:00	0.06	0.06
12:30:00	0.00	12:30:00	0.08	0.08
12:35:00	0.00	12:35:00	0.07	0.07
12:40:00	0.00	12:40:00	0.06	0.06
12:45:00	0.00	12:45:00	0.07	0.07
12:50:00	0.00	12:50:00	0.06	0.06
12:55:00	0.00	12:55:00	0.03	0.03
1:00:00	0.00	1:00:00	0.03	0.03
1:05:00	0.00	1:05:00	0.02	0.02
1:10:00	0.00	1:10:00	0.01	0.01
1:15:00	0.00	1:15:00	0.00	0.00
1:20:00	0.00	1:20:00	0.01	0.01
1:25:00	0.00	1:25:00	0.01	0.01
1:30:00	0.00	1:30:00	0.00	0.00
1:35:00	0.00	1:35:00	0.02	0.02
1:40:00	0.00	1:40:00	0.01	0.01
1:45:00	0.00	1:45:00	0.01	0.01
1:50:00	0.00	1:50:00	0.00	0.00
1:55:00	0.00	1:55:00	0.00	0.00
2:00:00	0.00	2:00:00	0.00	0.00
2:05:00	0.00	2:05:00	0.00	0.00
2:10:00	0.00	2:10:00	0.00	0.00

2:15:00	0.00	2:15:00	0.01	0.01
2:20:00	0.00	2:20:00	0.00	0.00
2:25:00	0.00	2:25:00	0.03	0.03

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/24/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:05:00	NL	7:05:00	0.11	NM
7:10:00	NL	7:10:00	0.11	NM
7:15:00	NL	7:15:00	0.11	NM
7:20:00	NL	7:20:00	0.16	NM
7:25:00	NL	7:25:00	0.22	NM
7:30:00	NL	7:30:00	0.17	NM
7:35:00	NL	7:35:00	0.16	NM
7:40:00	NL	7:40:00	0.23	NM
7:45:00	NL	7:45:00	0.20	NM
7:50:00	0.00	7:50:00	0.22	0.22
7:55:00	0.00	7:55:00	0.23	0.23
8:00:00	0.00	8:00:00	0.21	0.21
8:05:00	0.00	8:05:00	0.20	0.20
8:10:00	0.00	8:10:00	0.22	0.22
8:15:00	0.00	8:15:00	0.22	0.22
8:20:00	0.00	8:20:00	0.20	0.20
8:25:00	0.00	8:25:00	0.21	0.21
8:30:00	0.00	8:30:00	0.23	0.23
8:35:00	0.00	8:35:00	0.23	0.23
8:40:00	0.00	8:40:00	0.24	0.24
8:45:00	0.00	8:45:00	0.21	0.21
8:50:00	0.00	8:50:00	0.22	0.22
8:55:00	0.00	8:55:00	0.21	0.21
9:00:00	0.00	9:00:00	0.22	0.22
9:05:00	0.00	9:05:00	0.22	0.22
9:10:00	0.00	9:10:00	0.22	0.22
9:15:00	0.00	9:15:00	0.20	0.20
9:20:00	0.00	9:20:00	0.21	0.21
9:25:00	0.00	9:25:00	0.22	0.22
9:30:00	0.00	9:30:00	0.22	0.22
9:35:00	0.00	9:35:00	0.20	0.20
9:40:00	0.00	9:40:00	0.22	0.22
9:45:00	0.00	9:45:00	0.24	0.24
9:50:00	0.00	9:50:00	0.21	0.21
9:55:00	0.00	9:55:00	0.20	0.20
10:00:00	0.00	10:00:00	0.19	0.19

10:05:00	0.00	10:05:00	0.22	0.22
10:10:00	0.00	10:10:00	0.20	0.20
10:15:00	0.00	10:15:00	0.18	0.18
10:20:00	0.00	10:20:00	0.18	0.18
10:25:00	0.00	10:25:00	0.18	0.18
10:30:00	0.00	10:30:00	0.17	0.17
10:35:00	0.00	10:35:00	0.18	0.18
10:40:00	0.00	10:40:00	0.15	0.15
10:45:00	0.00	10:45:00	0.16	0.16
10:50:00	0.00	10:50:00	0.19	0.19
10:55:00	0.00	10:55:00	0.17	0.17
11:00:00	0.00	11:00:00	0.16	0.16
11:05:00	0.00	11:05:00	0.16	0.16
11:10:00	0.00	11:10:00	0.14	0.14
11:15:00	0.00	11:15:00	0.16	0.16
11:20:00	0.00	11:20:00	0.16	0.16
11:25:00	0.00	11:25:00	0.16	0.16
11:30:00	0.00	11:30:00	0.17	0.17
11:35:00	0.00	11:35:00	0.15	0.15
11:40:00	0.00	11:40:00	0.15	0.15
11:45:00	0.00	11:45:00	0.25	0.25
11:50:00	0.00	11:50:00	0.19	0.19
11:55:00	0.00	11:55:00	0.17	0.17
12:00:00	0.00	12:00:00	0.19	0.19
12:05:00	0.00	12:05:00	0.15	0.15
12:10:00	0.00	12:10:00	0.18	0.18
12:15:00	0.00	12:15:00	0.15	0.15
12:20:00	0.00	12:20:00	0.15	0.15
12:25:00	0.00	12:25:00	0.15	0.15
12:30:00	0.00	12:30:00	0.23	0.23
12:35:00	0.00	12:35:00	0.13	0.13
12:40:00	0.00	12:40:00	0.13	0.13
12:45:00	0.00	12:45:00	0.21	0.21
12:50:00	0.00	12:50:00	0.12	0.12
12:55:00	0.00	12:55:00	0.20	0.20
1:00:00	0.00	1:00:00	0.18	0.18
1:05:00	0.00	1:05:00	0.12	0.12
1:10:00	0.00	1:10:00	0.17	0.17
1:15:00	0.00	1:15:00	0.15	0.15
1:20:00	0.00	1:20:00	0.21	0.21
1:25:00	0.00	1:25:00	0.12	0.12
1:30:00	0.00	1:30:00	0.15	0.15
1:35:00	0.00	1:35:00	0.17	0.17
1:40:00	0.00	1:40:00	0.14	0.14
1:45:00	0.00	1:45:00	0.23	0.23
1:50:00	0.00	1:50:00	0.15	0.15
1:55:00	0.00	1:55:00	0.16	0.16

2:00:00	0.00	2:00:00	0.16	0.16
2:05:00	0.00	2:05:00	0.17	0.17
2:10:00	0.00	2:10:00	0.15	0.15
2:15:00	0.00	2:15:00	0.15	0.15
2:20:00	0.00	2:20:00	0.15	0.15
2:25:00	0.00	2:25:00	0.16	0.16
2:30:00	0.00	2:30:00	0.31	0.31
2:35:00	0.00	2:35:00	0.19	0.19
2:40:00	0.00	2:40:00	0.28	0.28
2:45:00	0.00	2:45:00	0.17	0.17
2:50:00	0.00	2:50:00	0.16	0.16
2:55:00	0.00	2:55:00	0.18	0.18
3:00:00	0.00	3:00:00	0.19	0.19
3:05:00	0.00	3:05:00	0.19	0.19
3:10:00	0.00	3:10:00	0.16	0.16
3:15:00	0.00	3:15:00	0.17	0.17
3:20:00	0.00	3:20:00	0.17	0.17
3:25:00	0.00	3:25:00	0.20	0.20
3:30:00	0.00	3:30:00	0.32	0.32
3:35:00	0.00	3:35:00	0.21	0.21

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/25/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:10:00	NL	7:10:00	0.19	NM
7:15:00	NL	7:15:00	0.13	NM
7:20:00	NL	7:20:00	0.16	NM
7:25:00	NL	7:25:00	0.19	NM
7:30:00	NL	7:30:00	0.23	NM
7:35:00	NL	7:35:00	0.23	NM
7:40:00	NL	7:40:00	0.21	NM
7:45:00	NL	7:45:00	0.18	NM
7:50:00	NL	7:50:00	1.07	NM
7:55:00	0.00	7:55:00	0.63	0.63
8:00:00	0.00	8:00:00	0.23	0.23
8:05:00	0.00	8:05:00	0.20	0.20
8:10:00	0.00	8:10:00	0.21	0.21
8:15:00	0.00	8:15:00	0.20	0.20
8:20:00	0.00	8:20:00	0.19	0.19
8:25:00	0.00	8:25:00	0.21	0.21
8:30:00	0.00	8:30:00	0.20	0.20
8:35:00	0.00	8:35:00	0.19	0.19
8:40:00	0.00	8:40:00	0.18	0.18
8:45:00	0.00	8:45:00	0.20	0.20
8:50:00	0.00	8:50:00	0.19	0.19
8:55:00	0.00	8:55:00	0.20	0.20
9:00:00	0.00	9:00:00	0.30	0.30
9:05:00	0.00	9:05:00	0.25	0.25
9:10:00	0.00	9:10:00	0.33	0.33
9:15:00	0.00	9:15:00	0.43	0.43
9:20:00	0.00	9:20:00	0.22	0.22
9:25:00	0.00	9:25:00	0.22	0.22
9:30:00	0.00	9:30:00	0.21	0.21
9:35:00	0.00	9:35:00	1.59	1.59
9:40:00	0.00	9:40:00	0.25	0.25
9:45:00	0.00	9:45:00	0.26	0.26
9:50:00	0.00	9:50:00	0.26	0.26
9:55:00	0.00	9:55:00	0.23	0.23
10:00:00	0.00	10:00:00	0.26	0.26
10:05:00	0.00	10:05:00	0.22	0.22

10:10:00	0.00	10:10:00	0.22	0.22
10:15:00	0.00	10:15:00	0.29	0.29
10:20:00	0.00	10:20:00	0.56	0.56
10:25:00	0.00	10:25:00	0.26	0.26
10:30:00	0.00	10:30:00	0.30	0.30
10:35:00	0.00	10:35:00	0.48	0.48
10:40:00	0.00	10:40:00	0.32	0.32
10:45:00	0.00	10:45:00	0.66	0.66
10:50:00	0.00	10:50:00	0.45	0.45
10:55:00	0.00	10:55:00	0.43	0.43
11:00:00	0.00	11:00:00	0.38	0.38
11:05:00	0.00	11:05:00	0.30	0.30
11:10:00	0.00	11:10:00	0.27	0.27
11:15:00	0.00	11:15:00	0.30	0.30
11:20:00	0.00	11:20:00	0.26	0.26
11:25:00	0.00	11:25:00	0.41	0.41
11:30:00	0.00	11:30:00	0.48	0.48
11:35:00	0.00	11:35:00	0.54	0.54
11:40:00	0.00	11:40:00	0.53	0.53
11:45:00	0.00	11:45:00	0.54	0.54
11:50:00	0.00	11:50:00	0.74	0.74
11:55:00	0.00	11:55:00	0.84	0.84
12:00:00	0.00	12:00:00	0.71	0.71
12:05:00	0.00	12:05:00	0.69	0.69
12:10:00	0.00	12:10:00	0.42	0.42
12:15:00	0.00	12:15:00	0.42	0.42
12:20:00	0.00	12:20:00	0.62	0.62
12:25:00	0.00	12:25:00	0.59	0.59
12:30:00	0.00	12:30:00	0.47	0.47
12:35:00	0.00	12:35:00	0.57	0.57
12:40:00	0.00	12:40:00	0.66	0.66

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/26/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:15:00	NL	7:15:00	0.10	NM
7:20:00	NL	7:20:00	0.16	NM
7:25:00	NL	7:25:00	0.09	NM
7:30:00	NL	7:30:00	0.07	NM
7:35:00	NL	7:35:00	0.09	NM
7:40:00	NL	7:40:00	0.07	NM
7:45:00	0.00	7:45:00	0.09	0.09
7:50:00	0.00	7:50:00	0.08	0.08
7:55:00	0.00	7:55:00	0.09	0.09
8:00:00	0.00	8:00:00	0.10	0.10
8:05:00	0.00	8:05:00	0.11	0.11
8:10:00	0.00	8:10:00	0.12	0.12
8:15:00	0.00	8:15:00	0.13	0.13
8:20:00	0.00	8:20:00	0.14	0.14
8:25:00	0.00	8:25:00	0.11	0.11
8:30:00	0.00	8:30:00	0.13	0.13
8:35:00	0.00	8:35:00	0.12	0.12
8:40:00	0.00	8:40:00	0.11	0.11
8:45:00	0.00	8:45:00	0.12	0.12
8:50:00	0.00	8:50:00	0.12	0.12
8:55:00	0.00	8:55:00	0.13	0.13
9:00:00	0.00	9:00:00	0.12	0.12
9:05:00	0.00	9:05:00	0.15	0.15
9:10:00	0.00	9:10:00	0.13	0.13
9:15:00	0.00	9:15:00	0.13	0.13
9:20:00	0.00	9:20:00	0.13	0.13
9:25:00	0.00	9:25:00	0.13	0.13
9:30:00	0.00	9:30:00	0.13	0.13
9:35:00	0.00	9:35:00	0.17	0.17
9:40:00	0.00	9:40:00	0.13	0.13
9:45:00	0.00	9:45:00	0.14	0.14
9:50:00	0.00	9:50:00	0.14	0.14
9:55:00	0.00	9:55:00	0.16	0.16
10:00:00	0.00	10:00:00	0.15	0.15
10:05:00	0.00	10:05:00	0.12	0.12
10:10:00	0.00	10:10:00	0.16	0.16

10:15:00	0.00	10:15:00	0.14	0.14
10:20:00	0.00	10:20:00	0.14	0.14
10:25:00	0.00	10:25:00	0.13	0.13
10:30:00	0.00	10:30:00	0.15	0.15
10:35:00	0.00	10:35:00	0.12	0.12
10:40:00	0.00	10:40:00	0.12	0.12
10:45:00	0.00	10:45:00	0.12	0.12
10:50:00	0.00	10:50:00	0.11	0.11
10:55:00	0.00	10:55:00	0.12	0.12
11:00:00	0.00	11:00:00	0.10	0.10
11:05:00	0.00	11:05:00	0.12	0.12
11:10:00	0.00	11:10:00	0.11	0.11
11:15:00	0.00	11:15:00	0.10	0.10
11:20:00	0.00	11:20:00	0.11	0.11
11:25:00	0.00	11:25:00	0.12	0.12
11:30:00	0.00	11:30:00	0.10	0.10
11:35:00	0.00	11:35:00	0.09	0.09
11:40:00	0.00	11:40:00	0.08	0.08
11:45:00	0.00	11:45:00	0.10	0.10
11:50:00	0.00	11:50:00	0.09	0.09
11:55:00	0.00	11:55:00	0.10	0.10
12:00:00	0.00	12:00:00	0.07	0.07
12:05:00	0.00	12:05:00	0.07	0.07
12:10:00	0.00	12:10:00	0.13	0.13
12:15:00	0.00	12:15:00	0.09	0.09
12:20:00	0.00	12:20:00	0.13	0.13
12:25:00	0.00	12:25:00	0.14	0.14
12:30:00	0.00	12:30:00	0.15	0.15
12:35:00	0.00	12:35:00	0.12	0.12
12:40:00	0.00	12:40:00	0.11	0.11
12:45:00	0.00	12:45:00	0.13	0.13
12:50:00	0.00	12:50:00	0.10	0.10
12:55:00	0.00	12:55:00	0.11	0.11
1:00:00	0.00	1:00:00	0.11	0.11
1:05:00	0.00	1:05:00	0.14	0.14
1:10:00	0.00	1:10:00	0.09	0.09
1:15:00	0.00	1:15:00	0.07	0.07
1:20:00	0.00	1:20:00	0.07	0.07
1:25:00	0.00	1:25:00	0.07	0.07
1:30:00	0.00	1:30:00	0.06	0.06
1:35:00	0.00	1:35:00	0.06	0.06
1:40:00	0.00	1:40:00	0.04	0.04
1:45:00	0.00	1:45:00	0.05	0.05
1:50:00	0.00	1:50:00	0.02	0.02
1:55:00	0.00	1:55:00	0.06	0.06
2:00:00	0.00	2:00:00	0.02	0.02
2:05:00	0.00	2:05:00	0.01	0.01

2:10:00	0.00	2:10:00	0.02	0.02
2:15:00	0.00	2:15:00	0.02	0.02
2:20:00	0.00	2:20:00	0.02	0.02
2:25:00	0.00	2:25:00	0.01	0.01

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/27/2015

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:30:00	NL	7:30:00	0.12	NM
7:35:00	NL	7:35:00	0.20	NM
7:40:00	NL	7:40:00	0.13	NM
7:45:00	NL	7:45:00	0.10	NM
7:50:00	NL	7:50:00	0.10	NM
7:55:00	NL	7:55:00	0.10	NM
8:00:00	NL	8:00:00	0.09	NM
8:05:00	NL	8:05:00	0.09	NM
8:10:00	0.00	8:10:00	0.09	0.09
8:15:00	0.00	8:15:00	0.09	0.09
8:20:00	0.00	8:20:00	0.10	0.10
8:25:00	0.00	8:25:00	0.12	0.12
8:30:00	0.00	8:30:00	0.11	0.11
8:35:00	0.00	8:35:00	0.10	0.10
8:40:00	0.00	8:40:00	0.11	0.11
8:45:00	0.00	8:45:00	0.13	0.13
8:50:00	0.00	8:50:00	0.13	0.13
8:55:00	0.00	8:55:00	0.12	0.12
9:00:00	0.00	9:00:00	0.14	0.14
9:05:00	0.00	9:05:00	0.17	0.17
9:10:00	0.00	9:10:00	0.14	0.14
9:15:00	0.00	9:15:00	0.14	0.14
9:20:00	0.00	9:20:00	0.16	0.16
9:25:00	0.00	9:25:00	0.16	0.16
9:30:00	0.00	9:30:00	0.17	0.17
9:35:00	0.00	9:35:00	0.18	0.18
9:40:00	0.00	9:40:00	0.14	0.14
9:45:00	0.00	9:45:00	0.14	0.14
9:50:00	0.00	9:50:00	0.13	0.13
9:55:00	0.00	9:55:00	0.14	0.14
10:00:00	0.00	10:00:00	0.14	0.14
10:05:00	0.00	10:05:00	0.14	0.14
10:10:00	0.00	10:10:00	0.15	0.15
10:15:00	0.00	10:15:00	0.14	0.14
10:20:00	0.00	10:20:00	0.13	0.13
10:25:00	0.00	10:25:00	0.13	0.13

10:30:00	0.00	10:30:00	0.14	0.14
10:35:00	0.00	10:35:00	0.14	0.14
10:40:00	0.00	10:40:00	0.23	0.23
10:45:00	0.00	10:45:00	0.17	0.17
10:50:00	0.00	10:50:00	0.20	0.20
10:55:00	0.00	10:55:00	0.17	0.17
11:00:00	0.00	11:00:00	0.16	0.16
11:05:00	0.00	11:05:00	0.14	0.14
11:10:00	0.00	11:10:00	0.16	0.16
11:15:00	0.00	11:15:00	0.18	0.18
11:20:00	0.00	11:20:00	0.18	0.18
11:25:00	0.00	11:25:00	0.16	0.16

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/29/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:00:00	0.00	8:00:00	0.14	0.14
8:05:00	0.00	8:05:00	0.08	0.08
8:10:00	0.00	8:10:00	0.11	0.11
8:15:00	0.00	8:15:00	0.09	0.09
8:20:00	0.00	8:20:00	0.10	0.10
8:25:00	0.00	8:25:00	0.11	0.11
8:30:00	0.00	8:30:00	0.11	0.11
8:35:00	0.00	8:35:00	0.09	0.09
8:40:00	0.00	8:40:00	0.10	0.10
8:45:00	0.00	8:45:00	0.11	0.11
8:50:00	0.00	8:50:00	0.10	0.10
8:55:00	0.00	8:55:00	0.09	0.09
9:00:00	0.00	9:00:00	0.14	0.14
9:05:00	0.00	9:05:00	0.11	0.11
9:10:00	0.00	9:10:00	0.12	0.12
9:15:00	0.00	9:15:00	0.12	0.12
9:20:00	0.00	9:20:00	0.16	0.16
9:25:00	0.00	9:25:00	0.11	0.11
9:30:00	0.00	9:30:00	0.13	0.13
9:35:00	0.00	9:35:00	0.12	0.12
9:40:00	0.00	9:40:00	0.13	0.13
9:45:00	0.00	9:45:00	0.11	0.11
9:50:00	0.00	9:50:00	0.12	0.12
9:55:00	0.00	9:55:00	0.14	0.14
10:00:00	0.00	10:00:00	0.14	0.14
10:05:00	0.00	10:05:00	0.14	0.14
10:10:00	0.00	10:10:00	0.13	0.13
10:15:00	0.00	10:15:00	0.14	0.14
10:20:00	0.00	10:20:00	0.15	0.15
10:25:00	0.00	10:25:00	0.11	0.11
10:30:00	0.00	10:30:00	0.12	0.12
10:35:00	0.00	10:35:00	0.15	0.15
10:40:00	0.00	10:40:00	0.14	0.14
10:45:00	0.00	10:45:00	0.12	0.12
10:50:00	0.00	10:50:00	0.14	0.14
10:55:00	0.00	10:55:00	0.13	0.13

11:00:00	0.00	11:00:00	0.15	0.15
11:05:00	0.00	11:05:00	0.14	0.14
11:10:00	0.00	11:10:00	0.15	0.15
11:15:00	0.00	11:15:00	0.16	0.16
11:20:00	0.00	11:20:00	0.16	0.16
11:25:00	0.00	11:25:00	0.17	0.17
11:30:00	0.00	11:30:00	0.14	0.14
11:35:00	0.00	11:35:00	0.15	0.15
11:40:00	0.00	11:40:00	0.17	0.17
11:45:00	0.00	11:45:00	0.16	0.16
11:50:00	0.00	11:50:00	0.17	0.17
11:55:00	0.00	11:55:00	0.19	0.19
12:00:00	0.00	12:00:00	0.17	0.17
12:05:00	0.00	12:05:00	0.20	0.20
12:10:00	0.00	12:10:00	0.27	0.27
12:15:00	0.00	12:15:00	0.22	0.22
12:20:00	0.00	12:20:00	0.18	0.18
12:25:00	0.00	12:25:00	0.19	0.19
12:30:00	0.00	12:30:00	0.16	0.16
12:35:00	0.00	12:35:00	0.17	0.17
12:40:00	0.00	12:40:00	0.16	0.16
12:45:00	0.00	12:45:00	0.21	0.21
12:50:00	0.00	12:50:00	0.19	0.19
12:55:00	0.00	12:55:00	0.14	0.14
1:00:00	0.00	1:00:00	0.13	0.13
1:05:00	0.00	1:05:00	0.13	0.13
1:10:00	0.00	1:10:00	0.13	0.13
1:15:00	0.00	1:15:00	0.13	0.13
1:20:00	0.00	1:20:00	0.13	0.13
1:25:00	0.00	1:25:00	0.14	0.14
1:30:00	0.00	1:30:00	0.12	0.12
1:35:00	0.00	1:35:00	0.19	0.19
1:40:00	0.00	1:40:00	0.19	0.19
1:45:00	0.00	1:45:00	0.18	0.18
1:50:00	0.00	1:50:00	0.11	0.11
1:55:00	0.00	1:55:00	0.13	0.13
2:00:00	0.00	2:00:00	0.11	0.11
2:05:00	0.00	2:05:00	0.20	0.20
2:10:00	0.00	2:10:00	0.15	0.15
2:15:00	0.00	2:15:00	0.18	0.18
2:20:00	0.00	2:20:00	0.12	0.12
2:25:00	0.00	2:25:00	0.18	0.18
2:30:00	0.00	2:30:00	0.19	0.19
2:35:00	0.00	2:35:00	0.14	0.14
2:40:00	0.00	2:40:00	0.17	0.17
2:45:00	0.00	2:45:00	0.13	0.13
2:50:00	0.00	2:50:00	0.13	0.13

2:55:00	0.00	2:55:00	0.13	0.13
3:00:00	0.00	3:00:00	0.12	0.12
3:05:00	0.00	3:05:00	0.15	0.15

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 9/30/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:30:00	0.69	7:30:00	0.11	-0.59
7:35:00	0.69	7:35:00	0.11	-0.59
7:40:00	0.69	7:40:00	0.10	-0.59
7:45:00	0.64	7:45:00	0.09	-0.55
7:50:00	0.64	7:50:00	0.10	-0.54
7:55:00	0.64	7:55:00	0.11	-0.53
8:00:00	0.00	8:00:00	0.10	0.10
8:05:00	0.00	8:05:00	0.13	0.13
8:10:00	0.00	8:10:00	0.20	0.20
8:15:00	0.00	8:15:00	0.12	0.12
8:20:00	0.00	8:20:00	0.14	0.14
8:25:00	0.00	8:25:00	0.13	0.13
8:30:00	0.00	8:30:00	0.12	0.12
8:35:00	0.00	8:35:00	0.12	0.12
8:40:00	0.00	8:40:00	0.15	0.15
8:45:00	0.00	8:45:00	0.13	0.13
8:50:00	0.00	8:50:00	0.15	0.15
8:55:00	0.00	8:55:00	0.16	0.16
9:00:00	0.00	9:00:00	0.14	0.14
9:05:00	0.00	9:05:00	0.13	0.13
9:10:00	0.00	9:10:00	0.15	0.15
9:15:00	0.00	9:15:00	0.14	0.14
9:20:00	0.00	9:20:00	0.15	0.15
9:25:00	0.00	9:25:00	0.14	0.14
9:30:00	0.00	9:30:00	0.15	0.15
9:35:00	0.00	9:35:00	0.17	0.17
9:40:00	0.00	9:40:00	0.13	0.13
9:45:00	0.00	9:45:00	0.15	0.15
9:50:00	0.00	9:50:00	0.14	0.14
9:55:00	0.00	9:55:00	0.14	0.14
10:00:00	0.00	10:00:00	0.16	0.16
10:05:00	0.00	10:05:00	0.15	0.15
10:10:00	0.00	10:10:00	0.16	0.16
10:15:00	0.00	10:15:00	0.15	0.15
10:20:00	0.00	10:20:00	0.15	0.15
10:25:00	0.00	10:25:00	0.20	0.20

10:30:00	0.00	10:30:00	0.18	0.18
10:35:00	0.00	10:35:00	0.17	0.17
10:40:00	0.00	10:40:00	0.17	0.17
10:45:00	0.00	10:45:00	0.18	0.18
10:50:00	0.00	10:50:00	0.17	0.17
10:55:00	0.00	10:55:00	0.18	0.18
11:00:00	0.00	11:00:00	0.17	0.17
11:05:00	0.00	11:05:00	0.18	0.18
11:10:00	0.00	11:10:00	0.19	0.19
11:15:00	0.00	11:15:00	0.18	0.18
11:20:00	0.00	11:20:00	0.18	0.18
11:25:00	0.00	11:25:00	0.19	0.19
11:30:00	0.00	11:30:00	0.19	0.19
11:35:00	0.00	11:35:00	0.20	0.20
11:40:00	0.00	11:40:00	0.18	0.18
11:45:00	0.00	11:45:00	0.17	0.17
11:50:00	0.00	11:50:00	0.17	0.17
11:55:00	0.00	11:55:00	0.17	0.17
12:00:00	0.00	12:00:00	0.17	0.17
12:05:00	0.00	12:05:00	0.23	0.23
12:10:00	0.00	12:10:00	0.20	0.20
12:15:00	0.00	12:15:00	0.19	0.19
12:20:00	0.00	12:20:00	0.19	0.19
12:25:00	0.00	12:25:00	0.19	0.19
12:30:00	0.00	12:30:00	0.21	0.21
12:35:00	0.00	12:35:00	0.17	0.17
12:40:00	0.00	12:40:00	0.17	0.17
12:45:00	0.00	12:45:00	0.17	0.17
12:50:00	0.00	12:50:00	0.17	0.17
12:55:00	0.00	12:55:00	0.18	0.18
13:00:00	0.00	13:00:00	0.18	0.18
13:05:00	0.00	13:05:00	0.17	0.17
13:10:00	0.00	13:10:00	0.16	0.16
13:15:00	0.00	13:15:00	0.16	0.16
13:20:00	0.00	13:20:00	0.16	0.16
13:25:00	0.00	13:25:00	0.17	0.17
13:30:00	0.00	13:30:00	0.24	0.24
13:35:00	0.00	13:35:00	0.21	0.21
13:40:00	0.00	13:40:00	0.19	0.19
13:45:00	0.00	13:45:00	0.19	0.19
13:50:00	0.00	13:50:00	0.18	0.18
13:55:00	0.00	13:55:00	1.19	1.19
14:00:00	0.00	14:00:00	1.29	1.29
14:05:00	0.00	14:05:00	1.32	1.32

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/1/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:20:00	0.00	7:20:00	0.32	0.32
7:25:00	0.00	7:25:00	0.29	0.29
7:30:00	0.00	7:30:00	0.24	0.24
7:35:00	0.00	7:35:00	0.22	0.22
7:40:00	0.00	7:40:00	0.21	0.21
7:45:00	0.00	7:45:00	0.21	0.21
7:50:00	0.00	7:50:00	0.22	0.22
7:55:00	0.00	7:55:00	0.21	0.21
8:00:00	0.00	8:00:00	0.24	0.24
8:05:00	0.00	8:05:00	0.22	0.22
8:10:00	0.00	8:10:00	0.26	0.26
8:15:00	0.00	8:15:00	0.22	0.22
8:20:00	0.00	8:20:00	0.23	0.23
8:25:00	0.00	8:25:00	0.22	0.22
8:30:00	0.00	8:30:00	0.24	0.24
8:35:00	0.00	8:35:00	0.22	0.22
8:40:00	0.00	8:40:00	0.22	0.22
8:45:00	0.00	8:45:00	0.21	0.21
8:50:00	0.00	8:50:00	0.22	0.22
8:55:00	0.00	8:55:00	0.24	0.24
9:00:00	0.00	9:00:00	0.24	0.24
9:05:00	0.00	9:05:00	0.23	0.23
9:10:00	0.00	9:10:00	0.22	0.22

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/2/2014

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:25:00	0.00	7:25:00	NL	NM
7:30:00	0.00	7:30:00	NL	NM
7:35:00	0.00	7:35:00	NL	NM
7:40:00	0.00	7:40:00	NL	NM
7:45:00	0.00	7:45:00	NL	NM
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	0.24	0.24
9:20:00	0.00	9:20:00	0.21	0.21
9:25:00	0.00	9:25:00	0.21	0.21
9:30:00	0.00	9:30:00	0.22	0.22
9:35:00	0.00	9:35:00	0.22	0.22
9:40:00	0.00	9:40:00	0.21	0.21
9:45:00	0.00	9:45:00	0.22	0.22
9:50:00	0.00	9:50:00	0.23	0.23
9:55:00	0.00	9:55:00	0.22	0.22
10:00:00	0.00	10:00:00	0.22	0.22
10:05:00	0.00	10:05:00	0.21	0.21
10:10:00	0.00	10:10:00	0.22	0.22
10:15:00	0.00	10:15:00	0.21	0.21
10:20:00	0.00	10:20:00	0.22	0.22

10:25:00	0.00	10:25:00	0.22	0.22
10:30:00	0.00	10:30:00	0.22	0.22
10:35:00	0.00	10:35:00	0.24	0.24
10:40:00	0.00	10:40:00	0.24	0.24
10:45:00	0.00	10:45:00	0.21	0.21
10:50:00	0.00	10:50:00	0.22	0.22
10:55:00	0.00	10:55:00	0.21	0.21
11:00:00	0.00	11:00:00	0.24	0.24
11:05:00	0.00	11:05:00	0.27	0.27
11:10:00	0.00	11:10:00	0.25	0.25
11:15:00	0.00	11:15:00	0.24	0.24
11:20:00	0.00	11:20:00	0.24	0.24
11:25:00	0.00	11:25:00	0.22	0.22
11:30:00	0.00	11:30:00	0.23	0.23
11:35:00	0.00	11:35:00	0.26	0.26
11:40:00	0.00	11:40:00	0.25	0.25
11:45:00	0.00	11:45:00	0.26	0.26
11:50:00	0.00	11:50:00	0.24	0.24
11:55:00	0.00	11:55:00	0.23	0.23
12:00:00	0.00	12:00:00	0.22	0.22
12:05:00	0.00	12:05:00	0.24	0.24
12:10:00	0.00	12:10:00	0.21	0.21
12:15:00	0.00	12:15:00	0.21	0.21
12:20:00	0.00	12:20:00	0.21	0.21
12:25:00	0.00	12:25:00	0.20	0.20
12:30:00	0.00	12:30:00	0.20	0.20

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/3/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM
10:15:00	0.00	10:15:00	NL	NM
10:20:00	0.00	10:20:00	NL	NM
10:25:00	0.00	10:25:00	NL	NM
10:30:00	0.00	10:30:00	NL	NM
10:35:00	0.00	10:35:00	NL	NM
10:40:00	0.00	10:40:00	NL	NM
10:45:00	0.00	10:45:00	NL	NM
10:50:00	0.00	10:50:00	NL	NM
10:55:00	0.00	10:55:00	NL	NM
11:00:00	0.00	11:00:00	NL	NM
11:05:00	0.00	11:05:00	NL	NM

11:10:00	0.00	11:10:00	NL	NM
11:15:00	0.00	11:15:00	NL	NM
11:20:00	0.00	11:20:00	NL	NM
11:25:00	0.00	11:25:00	NL	NM
11:30:00	0.00	11:30:00	NL	NM
11:35:00	0.00	11:35:00	NL	NM
11:40:00	0.00	11:40:00	NL	NM
11:45:00	0.00	11:45:00	NL	NM
11:50:00	0.00	11:50:00	NL	NM
11:55:00	0.00	11:55:00	NL	NM
12:00:00	0.00	12:00:00	NL	NM
12:05:00	0.00	12:05:00	NL	NM
12:10:00	0.00	12:10:00	NL	NM
12:15:00	0.00	12:15:00	NL	NM
12:20:00	0.00	12:20:00	NL	NM
12:25:00	0.00	12:25:00	NL	NM
12:30:00	0.00	12:30:00	NL	NM
12:35:00	0.00	12:35:00	NL	NM
12:40:00	0.00	12:40:00	NL	NM
12:45:00	0.00	12:45:00	NL	NM
12:50:00	0.00	12:50:00	NL	NM
12:55:00	0.00	12:55:00	NL	NM
1:00:00	0.00	1:00:00	NL	NM
1:05:00	0.00	1:05:00	NL	NM
1:10:00	0.00	1:10:00	NL	NM
1:15:00	0.00	1:15:00	NL	NM
1:20:00	0.00	1:20:00	NL	NM
1:25:00	0.00	1:25:00	NL	NM
1:30:00	0.00	1:30:00	NL	NM
1:35:00	0.00	1:35:00	NL	NM
1:40:00	0.00	1:40:00	NL	NM
1:45:00	0.00	1:45:00	NL	NM
1:50:00	0.00	1:50:00	NL	NM
1:55:00	0.00	1:55:00	NL	NM
2:00:00	0.00	2:00:00	NL	NM
2:05:00	0.00	2:05:00	NL	NM
2:10:00	0.00	2:10:00	NL	NM
2:15:00	0.00	2:15:00	NL	NM
2:20:00	0.00	2:20:00	NL	NM
2:25:00	0.00	2:25:00	NL	NM
2:30:00	0.00	2:30:00	NL	NM
2:25:00	0.00	2:25:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/6/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:25:00	0.00	7:25:00	NL	NM
7:30:00	0.00	7:30:00	NL	NM
7:35:00	0.00	7:35:00	NL	NM
7:40:00	0.00	7:40:00	NL	NM
7:45:00	0.00	7:45:00	NL	NM
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.07	8:15:00	NL	NM
8:20:00	0.07	8:20:00	NL	NM
8:25:00	0.07	8:25:00	NL	NM
8:30:00	0.07	8:30:00	NL	NM
8:35:00	0.07	8:35:00	NL	NM
8:40:00	0.07	8:40:00	NL	NM
8:45:00	0.07	8:45:00	NL	NM
8:50:00	0.07	8:50:00	NL	NM
8:55:00	0.07	8:55:00	NL	NM
9:00:00	0.07	9:00:00	NL	NM
9:05:00	0.07	9:05:00	NL	NM
9:10:00	0.07	9:10:00	NL	NM
9:15:00	0.07	9:15:00	NL	NM
9:20:00	0.07	9:20:00	NL	NM
9:25:00	0.07	9:25:00	NL	NM
9:30:00	0.16	9:30:00	NL	NM
9:35:00	0.16	9:35:00	NL	NM
9:40:00	0.16	9:40:00	NL	NM
9:45:00	0.14	9:45:00	NL	NM
9:50:00	0.14	9:50:00	NL	NM
9:55:00	0.14	9:55:00	NL	NM
10:00:00	0.14	10:00:00	NL	NM
10:05:00	0.14	10:05:00	NL	NM
10:10:00	0.14	10:10:00	NL	NM
10:15:00	0.14	10:15:00	NL	NM
10:20:00	0.14	10:20:00	NL	NM

10:25:00	0.14	10:25:00	NL	NM
10:30:00	0.14	10:30:00	NL	NM
10:35:00	0.14	10:35:00	NL	NM
10:40:00	0.14	10:40:00	NL	NM
10:45:00	0.02	10:45:00	NL	NM
10:50:00	0.02	10:50:00	NL	NM
10:55:00	0.02	10:55:00	NL	NM
11:00:00	0.02	11:00:00	NL	NM
11:05:00	0.02	11:05:00	NL	NM
11:10:00	0.02	11:10:00	NL	NM
11:15:00	0.02	11:15:00	NL	NM
11:20:00	0.02	11:20:00	NL	NM
11:25:00	0.02	11:25:00	NL	NM
11:30:00	0.02	11:30:00	NL	NM
11:35:00	0.02	11:35:00	NL	NM
11:40:00	0.02	11:40:00	NL	NM
11:45:00	0.02	11:45:00	NL	NM
11:50:00	0.02	11:50:00	NL	NM
11:55:00	0.02	11:55:00	NL	NM
12:00:00	0.02	12:00:00	NL	NM
12:05:00	0.02	12:05:00	NL	NM
12:10:00	0.02	12:10:00	NL	NM
12:15:00	0.02	12:15:00	NL	NM
12:20:00	0.02	12:20:00	NL	NM
12:25:00	0.02	12:25:00	NL	NM
12:30:00	0.02	12:30:00	NL	NM
12:35:00	0.02	12:35:00	NL	NM
12:40:00	0.02	12:40:00	NL	NM
12:45:00	0.02	12:45:00	NL	NM
12:50:00	0.02	12:50:00	NL	NM
12:55:00	0.02	12:55:00	NL	NM
13:00:00	0.02	13:00:00	NL	NM
13:05:00	0.02	13:05:00	NL	NM
13:10:00	0.02	13:10:00	NL	NM
13:15:00	0.02	13:15:00	NL	NM
13:20:00	0.02	13:20:00	NL	NM
13:25:00	0.02	13:25:00	NL	NM
13:30:00	0.02	13:30:00	NL	NM
13:35:00	0.02	13:35:00	NL	NM
13:40:00	0.02	13:40:00	NL	NM
13:45:00	0.02	13:45:00	NL	NM
13:50:00	0.02	13:50:00	NL	NM
13:55:00	0.02	13:55:00	NL	NM
14:00:00	0.02	14:00:00	NL	NM
14:05:00	0.02	14:05:00	NL	NM
14:10:00	0.02	14:10:00	NL	NM
14:15:00	0.02	14:15:00	NL	NM

14:20:00	0.02	14:20:00	NL	NM
14:25:00	0.02	14:25:00	NL	NM
14:30:00	0.02	14:30:00	NL	NM
14:35:00	0.02	14:35:00	NL	NM
14:40:00	0.02	14:40:00	NL	NM
14:45:00	0.02	14:45:00	NL	NM
14:50:00	0.02	14:50:00	NL	NM
14:55:00	0.02	14:55:00	NL	NM
15:00:00	0.02	15:00:00	NL	NM
15:05:00	0.02	15:05:00	NL	NM
15:10:00	0.02	15:10:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/7/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:30:00	0.00	7:30:00	NL	NM
7:35:00	0.00	7:35:00	NL	NM
7:40:00	0.00	7:40:00	NL	NM
7:45:00	0.00	7:45:00	NL	NM
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM
10:15:00	0.00	10:15:00	NL	NM
10:20:00	0.00	10:20:00	NL	NM
10:25:00	0.00	10:25:00	NL	NM

10:30:00	0.00	10:30:00	NL	NM
10:35:00	0.00	10:35:00	NL	NM
10:40:00	0.00	10:40:00	NL	NM
10:45:00	0.00	10:45:00	NL	NM
10:50:00	0.00	10:50:00	NL	NM
10:55:00	0.00	10:55:00	NL	NM
11:00:00	0.00	11:00:00	NL	NM
11:05:00	0.00	11:05:00	NL	NM
11:10:00	0.00	11:10:00	NL	NM
11:15:00	0.00	11:15:00	NL	NM
11:20:00	0.00	11:20:00	NL	NM
11:25:00	0.00	11:25:00	NL	NM
11:30:00	0.00	11:30:00	NL	NM
11:35:00	0.00	11:35:00	NL	NM
11:40:00	0.00	11:40:00	NL	NM
11:45:00	0.00	11:45:00	NL	NM
11:50:00	0.00	11:50:00	NL	NM
11:55:00	0.00	11:55:00	NL	NM
12:00:00	0.00	12:00:00	NL	NM
12:05:00	0.00	12:05:00	NL	NM
12:10:00	0.00	12:10:00	NL	NM
12:15:00	0.00	12:15:00	NL	NM
12:20:00	0.00	12:20:00	NL	NM
12:25:00	0.00	12:25:00	NL	NM
12:30:00	0.00	12:30:00	NL	NM
12:35:00	0.00	12:35:00	NL	NM
12:40:00	0.00	12:40:00	NL	NM
12:45:00	0.00	12:45:00	NL	NM
12:50:00	0.00	12:50:00	NL	NM
12:55:00	0.00	12:55:00	NL	NM
13:00:00	0.00	13:00:00	NL	NM
13:05:00	0.00	13:05:00	NL	NM
13:10:00	0.00	13:10:00	NL	NM
13:15:00	0.00	13:15:00	NL	NM
13:20:00	0.00	13:20:00	NL	NM
13:25:00	0.00	13:25:00	NL	NM
13:30:00	0.00	13:30:00	NL	NM
13:35:00	0.00	13:35:00	NL	NM
13:40:00	0.00	13:40:00	NL	NM
13:45:00	0.00	13:45:00	NL	NM
13:50:00	0.00	13:50:00	NL	NM
13:55:00	0.00	13:55:00	NL	NM
14:00:00	0.00	14:00:00	NL	NM
14:05:00	0.00	14:05:00	NL	NM
14:10:00	0.00	14:10:00	NL	NM
14:15:00	0.00	14:15:00	NL	NM
14:20:00	0.00	14:20:00	NL	NM

14:25:00	0.00	14:25:00	NL	NM
14:30:00	0.00	14:30:00	NL	NM
14:35:00	0.00	14:35:00	NL	NM
14:40:00	0.00	14:40:00	NL	NM
14:45:00	0.00	14:45:00	NL	NM
14:50:00	0.00	14:50:00	NL	NM
14:55:00	0.00	14:55:00	NL	NM
15:00:00	0.00	15:00:00	NL	NM
15:05:00	0.00	15:05:00	NL	NM
15:10:00	0.00	15:10:00	NL	NM
15:15:00	0.00	15:15:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/8/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM
10:15:00	0.00	10:15:00	NL	NM
10:20:00	0.00	10:20:00	NL	NM
10:25:00	0.00	10:25:00	NL	NM
10:30:00	0.00	10:30:00	NL	NM
10:35:00	0.00	10:35:00	NL	NM
10:40:00	0.00	10:40:00	NL	NM
10:45:00	0.00	10:45:00	NL	NM
10:50:00	0.00	10:50:00	NL	NM
10:55:00	0.00	10:55:00	NL	NM

11:00:00	0.00	11:00:00	NL	NM
11:05:00	0.00	11:05:00	NL	NM
11:10:00	0.00	11:10:00	NL	NM
11:15:00	0.00	11:15:00	NL	NM
11:20:00	0.00	11:20:00	NL	NM
11:25:00	0.00	11:25:00	NL	NM
11:30:00	0.00	11:30:00	NL	NM
11:35:00	0.00	11:35:00	NL	NM
11:40:00	0.00	11:40:00	NL	NM
11:45:00	0.00	11:45:00	NL	NM
11:50:00	0.00	11:50:00	NL	NM
11:55:00	0.00	11:55:00	NL	NM
12:00:00	0.00	12:00:00	NL	NM
12:05:00	0.00	12:05:00	NL	NM
12:10:00	0.00	12:10:00	NL	NM
12:15:00	0.00	12:15:00	NL	NM
12:20:00	0.00	12:20:00	NL	NM
12:25:00	0.00	12:25:00	NL	NM
12:30:00	0.00	12:30:00	NL	NM
12:35:00	0.00	12:35:00	NL	NM
12:40:00	0.00	12:40:00	NL	NM
12:45:00	0.00	12:45:00	NL	NM
12:50:00	0.00	12:50:00	NL	NM
12:55:00	0.00	12:55:00	NL	NM
13:00:00	0.00	13:00:00	NL	NM
13:05:00	0.00	13:05:00	NL	NM
13:10:00	0.00	13:10:00	NL	NM
13:15:00	0.00	13:15:00	NL	NM
13:20:00	0.00	13:20:00	NL	NM
13:25:00	0.00	13:25:00	NL	NM
13:30:00	0.00	13:30:00	NL	NM
13:35:00	0.00	13:35:00	NL	NM
13:40:00	0.00	13:40:00	NL	NM
13:45:00	0.00	13:45:00	NL	NM
13:50:00	0.00	13:50:00	NL	NM
13:55:00	0.00	13:55:00	NL	NM
14:00:00	0.00	14:00:00	NL	NM
14:05:00	0.00	14:05:00	NL	NM
14:10:00	0.00	14:10:00	NL	NM
14:15:00	0.00	14:15:00	NL	NM
14:20:00	0.00	14:20:00	NL	NM
14:25:00	0.00	14:25:00	NL	NM
14:30:00	0.00	14:30:00	NL	NM
14:35:00	0.00	14:35:00	NL	NM
14:40:00	0.00	14:40:00	NL	NM
14:45:00	0.00	14:45:00	NL	NM
14:50:00	0.00	14:50:00	NL	NM

14:55:00	0.00	14:55:00	NL	NM
15:00:00	0.00	15:00:00	NL	NM
15:05:00	0.00	15:05:00	NL	NM
15:10:00	0.00	15:10:00	NL	NM
15:15:00	0.00	15:15:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/9/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.11	9:25:00	NL	NM
9:30:00	0.11	9:30:00	NL	NM
9:35:00	0.11	9:35:00	NL	NM
9:40:00	0.20	9:40:00	NL	NM
9:45:00	0.20	9:45:00	NL	NM
9:50:00	0.20	9:50:00	NL	NM
9:55:00	0.11	9:55:00	NL	NM
10:00:00	0.11	10:00:00	NL	NM
10:05:00	0.11	10:05:00	NL	NM
10:10:00	0.11	10:10:00	NL	NM
10:15:00	0.11	10:15:00	NL	NM
10:20:00	0.11	10:20:00	NL	NM
10:25:00	0.11	10:25:00	NL	NM
10:30:00	0.11	10:30:00	NL	NM
10:35:00	0.11	10:35:00	NL	NM
10:40:00	0.11	10:40:00	NL	NM
10:45:00	0.11	10:45:00	NL	NM

10:50:00	0.11	10:50:00	NL	NM
10:55:00	0.05	10:55:00	NL	NM
11:00:00	0.02	11:00:00	NL	NM
11:05:00	0.03	11:05:00	NL	NM
11:10:00	0.02	11:10:00	NL	NM
11:15:00	0.02	11:15:00	NL	NM
11:20:00	0.01	11:20:00	NL	NM
11:25:00	0.01	11:25:00	NL	NM
11:30:00	0.01	11:30:00	NL	NM
11:35:00	0.00	11:35:00	NL	NM
11:40:00	0.00	11:40:00	NL	NM
11:45:00	0.00	11:45:00	NL	NM
11:50:00	0.00	11:50:00	NL	NM
11:55:00	0.00	11:55:00	NL	NM
12:00:00	0.01	12:00:00	NL	NM
12:05:00	0.00	12:05:00	NL	NM
12:10:00	0.05	12:10:00	NL	NM
12:15:00	0.02	12:15:00	NL	NM
12:20:00	0.03	12:20:00	NL	NM
12:25:00	0.02	12:25:00	NL	NM
12:30:00	0.02	12:30:00	NL	NM
12:35:00	0.01	12:35:00	NL	NM
12:40:00	0.01	12:40:00	NL	NM
12:45:00	0.01	12:45:00	NL	NM
12:50:00	0.00	12:50:00	NL	NM
12:55:00	0.00	12:55:00	NL	NM
13:00:00	0.00	13:00:00	NL	NM
13:05:00	0.00	13:05:00	NL	NM
13:10:00	0.00	13:10:00	NL	NM
13:15:00	0.01	13:15:00	NL	NM
13:20:00	0.00	13:20:00	NL	NM
13:25:00	0.05	13:25:00	NL	NM
13:30:00	0.02	13:30:00	NL	NM
13:35:00	0.03	13:35:00	NL	NM
13:40:00	0.02	13:40:00	NL	NM
13:45:00	0.02	13:45:00	NL	NM
13:50:00	0.01	13:50:00	NL	NM
13:55:00	0.01	13:55:00	NL	NM
14:00:00	0.01	14:00:00	NL	NM
14:05:00	0.00	14:05:00	NL	NM
14:10:00	0.00	14:10:00	NL	NM
14:15:00	0.00	14:15:00	NL	NM
14:20:00	0.00	14:20:00	NL	NM
14:25:00	0.00	14:25:00	NL	NM
14:30:00	0.01	14:30:00	NL	NM
14:35:00	0.00	14:35:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/10/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:00:00	0.00	8:00:00	0.16	0.16
8:05:00	0.01	8:05:00	0.16	0.15
8:10:00	0.02	8:10:00	0.16	0.14
8:15:00	0.04	8:15:00	0.16	0.12
8:20:00	0.04	8:20:00	0.16	0.12
8:25:00	0.04	8:25:00	0.16	0.12
8:30:00	0.04	8:30:00	0.16	0.12
8:35:00	0.04	8:35:00	0.16	0.12
8:40:00	0.04	8:40:00	0.16	0.12
8:45:00	0.04	8:45:00	0.16	0.12
8:50:00	0.04	8:50:00	0.16	0.12
8:55:00	0.04	8:55:00	0.16	0.12
9:00:00	0.06	9:00:00	0.16	0.09
9:05:00	0.06	9:05:00	0.16	0.09
9:10:00	0.06	9:10:00	0.16	0.09
9:15:00	0.06	9:15:00	0.16	0.09
9:20:00	0.06	9:20:00	0.16	0.09
9:25:00	0.06	9:25:00	0.16	0.09
9:30:00	0.06	9:30:00	0.16	0.09
9:35:00	0.06	9:35:00	0.16	0.09
9:40:00	0.06	9:40:00	0.16	0.09
9:45:00	0.06	9:45:00	0.16	0.09
9:50:00	0.06	9:50:00	0.16	0.09
9:55:00	0.06	9:55:00	0.16	0.09
10:00:00	0.06	10:00:00	0.16	0.09
10:05:00	0.06	10:05:00	0.20	0.14
10:10:00	0.06	10:10:00	0.20	0.14
10:15:00	0.06	10:15:00	0.10	0.04
10:20:00	0.06	10:20:00	0.10	0.04
10:25:00	0.06	10:25:00	0.10	0.04
10:30:00	0.04	10:30:00	0.16	0.11
10:35:00	0.04	10:35:00	0.16	0.11
10:40:00	0.04	10:40:00	0.16	0.11
10:45:00	0.04	10:45:00	0.13	0.09
10:50:00	0.04	10:50:00	0.13	0.09
10:55:00	0.04	10:55:00	0.13	0.09

11:00:00	0.04	11:00:00	0.13	0.09
11:05:00	0.04	11:05:00	0.13	0.09
11:10:00	0.04	11:10:00	0.13	0.09
11:15:00	0.04	11:15:00	0.13	0.09
11:20:00	0.04	11:20:00	0.13	0.09
11:25:00	0.04	11:25:00	0.13	0.09
11:30:00	0.04	11:30:00	0.13	0.09
11:35:00	0.04	11:35:00	0.13	0.09
11:40:00	0.04	11:40:00	0.13	0.09
11:45:00	0.04	11:45:00	0.13	0.09
11:50:00	0.04	11:50:00	0.13	0.09
11:55:00	0.04	11:55:00	0.13	0.09
12:00:00	0.04	12:00:00	0.13	0.09
12:05:00	0.04	12:05:00	0.13	0.09
12:10:00	0.04	12:10:00	0.13	0.09
12:15:00	0.04	12:15:00	0.13	0.09
12:20:00	0.04	12:20:00	0.13	0.09
12:25:00	0.04	12:25:00	0.13	0.09
12:30:00	0.04	12:30:00	0.13	0.09
12:35:00	0.04	12:35:00	0.13	0.09
12:40:00	0.04	12:40:00	0.13	0.09
12:45:00	0.04	12:45:00	0.13	0.09
12:50:00	0.04	12:50:00	0.13	0.09
12:55:00	0.04	12:55:00	0.13	0.09
13:00:00	0.04	13:00:00	0.13	0.09
13:05:00	0.04	13:05:00	0.13	0.09
13:10:00	0.04	13:10:00	0.13	0.09
13:15:00	0.04	13:15:00	0.13	0.09
13:20:00	0.04	13:20:00	0.13	0.09
13:25:00	0.04	13:25:00	0.13	0.09
13:30:00	0.04	13:30:00	0.13	0.09
13:35:00	0.04	13:35:00	0.13	0.09
13:40:00	0.04	13:40:00	0.13	0.09
13:45:00	0.04	13:45:00	0.13	0.09
13:50:00	0.04	13:50:00	0.13	0.09
13:55:00	0.04	13:55:00	0.13	0.09
14:00:00	0.04	14:00:00	0.13	0.09
14:05:00	0.04	14:05:00	0.13	0.09
14:10:00	0.04	14:10:00	0.13	0.09
14:15:00	0.04	14:15:00	0.13	0.09
14:20:00	0.04	14:20:00	0.13	0.09
14:25:00	0.08	14:25:00	0.13	0.06

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/13/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm	Conc [ppm
7:45:00	0.01	7:45:00	0.01	0.01
7:50:00	0.01	7:50:00	0.01	0.01
7:55:00	0.01	7:55:00	0.01	0.01
8:00:00	0.01	8:00:00	0.01	0.01
8:05:00	0.01	8:05:00	0.01	0.01
8:10:00	0.01	8:10:00	0.01	0.01
8:15:00	0.11	8:15:00	0.01	-0.10
8:20:00	0.11	8:20:00	0.01	-0.10
8:25:00	0.11	8:25:00	0.01	-0.10
8:30:00	0.11	8:30:00	0.01	-0.10
8:35:00	0.11	8:35:00	0.01	-0.10
8:40:00	0.11	8:40:00	0.01	-0.10
8:45:00	0.11	8:45:00	0.05	-0.06
8:50:00	0.11	8:50:00	0.05	-0.06
8:55:00	0.11	8:55:00	0.05	-0.06
9:00:00	0.16	9:00:00	0.05	-0.11
9:05:00	0.16	9:05:00	0.05	-0.11
9:10:00	0.16	9:10:00	0.05	-0.11
9:15:00	0.12	9:15:00	0.05	-0.07
9:20:00	0.12	9:20:00	0.05	-0.07
9:25:00	0.12	9:25:00	0.05	-0.07
9:30:00	0.12	9:30:00	0.05	-0.07
9:35:00	0.12	9:35:00	0.05	-0.07
9:40:00	0.12	9:40:00	0.05	-0.07
9:45:00	0.12	9:45:00	0.05	-0.07
9:50:00	0.12	9:50:00	0.05	-0.07
9:55:00	0.12	9:55:00	0.05	-0.07
10:00:00	0.12	10:00:00	0.05	-0.07
10:05:00	0.12	10:05:00	0.05	-0.07
10:10:00	0.12	10:10:00	0.05	-0.07
10:15:00	0.12	10:15:00	0.05	-0.07
10:20:00	0.12	10:20:00	0.05	-0.07
10:25:00	0.12	10:25:00	0.05	-0.07
10:30:00	0.12	10:30:00	0.05	-0.07
10:35:00	0.12	10:35:00	0.05	-0.07
10:40:00	0.12	10:40:00	0.05	-0.07

10:45:00	0.12	10:45:00	0.05	-0.07
10:50:00	0.12	10:50:00	0.05	-0.07
10:55:00	0.12	10:55:00	0.05	-0.07
11:00:00	0.12	11:00:00	0.05	-0.07
11:05:00	0.12	11:05:00	0.05	-0.07
11:10:00	0.12	11:10:00	0.05	-0.07
11:15:00	0.12	11:15:00	0.05	-0.07
11:20:00	0.12	11:20:00	0.05	-0.07
11:25:00	0.12	11:25:00	0.05	-0.07
11:30:00	0.12	11:30:00	0.19	0.07
11:35:00	0.12	11:35:00	0.19	0.07
11:40:00	0.12	11:40:00	0.19	0.07
11:45:00	0.12	11:45:00	0.19	0.07
11:50:00	0.12	11:50:00	0.19	0.07
11:55:00	0.12	11:55:00	0.19	0.07
12:00:00	0.04	12:00:00	0.19	0.16
12:05:00	0.04	12:05:00	0.19	0.16
12:10:00	0.04	12:10:00	0.19	0.16
12:15:00	0.04	12:15:00	0.19	0.16
12:20:00	0.04	12:20:00	0.19	0.16
12:25:00	0.04	12:25:00	0.19	0.16
12:30:00	0.04	12:30:00	0.19	0.16
12:35:00	0.04	12:35:00	0.19	0.16
12:40:00	0.04	12:40:00	0.19	0.16
12:45:00	0.04	12:45:00	0.19	0.16
12:50:00	0.04	12:50:00	0.19	0.16
12:55:00	0.04	12:55:00	0.19	0.16
13:00:00	0.04	13:00:00	0.19	0.16
13:05:00	0.04	13:05:00	0.19	0.16
13:10:00	0.04	13:10:00	0.19	0.16
13:15:00	0.04	13:15:00	0.19	0.16
13:20:00	0.04	13:20:00	0.19	0.16
13:25:00	0.04	13:25:00	0.19	0.16
13:30:00	0.04	13:30:00	0.26	0.22
13:35:00	0.04	13:35:00	0.26	0.22
13:40:00	0.04	13:40:00	0.26	0.22
13:45:00	0.04	13:45:00	0.26	0.22
13:50:00	0.04	13:50:00	0.26	0.22
13:55:00	0.04	13:55:00	0.26	0.22
14:00:00	0.04	14:00:00	0.26	0.22
14:05:00	0.04	14:05:00	0.26	0.22
14:10:00	0.04	14:10:00	0.26	0.22
14:15:00	0.04	14:15:00	0.26	0.22
14:20:00	0.04	14:20:00	0.26	0.22
14:25:00	0.04	14:25:00	0.26	0.22
14:30:00	0.04	14:30:00	0.26	0.22
14:35:00	0.04	14:35:00	0.26	0.22

14:40:00	0.04	14:40:00	0.26	0.22
14:45:00	0.04	14:45:00	0.26	0.22
14:50:00	0.04	14:50:00	0.26	0.22
14:55:00	0.04	14:55:00	0.26	0.22
15:00:00	0.04	15:00:00	0.26	0.22
15:05:00	0.04	15:05:00	0.26	0.22
15:10:00	0.04	15:10:00	0.26	0.22

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/14/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm	Conc [ppm
7:55:00	0.01	7:55:00	0.01	0.00
8:00:00	0.01	8:00:00	0.01	0.00
8:05:00	0.01	8:05:00	0.01	0.00
8:10:00	0.18	8:10:00	0.01	-0.17
8:15:00	0.18	8:15:00	0.01	-0.17
8:20:00	0.18	8:20:00	0.04	-0.14
8:25:00	0.50	8:25:00	0.04	-0.46
8:30:00	0.50	8:30:00	0.04	-0.46
8:35:00	0.50	8:35:00	0.05	-0.45
8:40:00	0.34	8:40:00	0.05	-0.29
8:45:00	0.34	8:45:00	0.05	-0.29
8:50:00	0.34	8:50:00	0.05	-0.29
8:55:00	1.18	8:55:00	0.05	-1.13
9:00:00	1.18	9:00:00	0.05	-1.13
9:05:00	1.18	9:05:00	0.05	-1.13
9:10:00	0.10	9:10:00	0.05	-0.05
9:15:00	0.10	9:15:00	0.05	-0.05
9:20:00	0.10	9:20:00	0.05	-0.05
9:25:00	0.10	9:25:00	0.05	-0.05
9:30:00	0.10	9:30:00	0.05	-0.05
9:35:00	0.10	9:35:00	0.05	-0.05
9:40:00	0.19	9:40:00	0.05	-0.14
9:45:00	0.19	9:45:00	0.05	-0.14
9:50:00	0.19	9:50:00	0.05	-0.14
9:55:00	0.15	9:55:00	0.05	-0.09
10:00:00	0.15	10:00:00	0.05	-0.09
10:05:00	0.15	10:05:00	0.05	-0.09
10:10:00	0.01	10:10:00	0.05	0.04
10:15:00	0.01	10:15:00	0.05	0.04
10:20:00	0.01	10:20:00	0.05	0.04
10:25:00	0.01	10:25:00	0.05	0.04
10:30:00	0.01	10:30:00	0.05	0.04
10:35:00	0.01	10:35:00	0.05	0.04
10:40:00	0.01	10:40:00	0.05	0.04
10:45:00	0.01	10:45:00	0.05	0.04
10:50:00	0.01	10:50:00	0.05	0.04

10:55:00	0.01	10:55:00	0.05	0.04
11:00:00	0.01	11:00:00	0.05	0.04
11:05:00	0.01	11:05:00	0.05	0.04
11:10:00	0.01	11:10:00	0.05	0.04
11:15:00	0.01	11:15:00	0.05	0.04
11:20:00	0.01	11:20:00	0.05	0.04
11:25:00	0.01	11:25:00	0.05	0.04
11:30:00	0.01	11:30:00	0.05	0.04
11:35:00	0.01	11:35:00	0.05	0.04
11:40:00	0.01	11:40:00	0.05	0.04
11:45:00	0.01	11:45:00	0.05	0.04
11:50:00	0.01	11:50:00	0.05	0.04
11:55:00	0.01	11:55:00	0.05	0.04
12:00:00	0.01	12:00:00	0.05	0.04
12:05:00	0.01	12:05:00	0.05	0.04
12:10:00	0.01	12:10:00	0.05	0.04
12:15:00	0.01	12:15:00	0.05	0.04
12:20:00	0.01	12:20:00	0.05	0.04
12:25:00	0.01	12:25:00	0.05	0.04
12:30:00	0.01	12:30:00	0.05	0.04
12:35:00	0.01	12:35:00	0.05	0.04
12:40:00	0.01	12:40:00	0.05	0.04
12:45:00	0.01	12:45:00	0.05	0.04
12:50:00	0.01	12:50:00	0.05	0.04
12:55:00	0.01	12:55:00	0.05	0.04
13:00:00	0.01	13:00:00	0.05	0.04
13:05:00	0.01	13:05:00	0.15	0.15
13:10:00	0.01	13:10:00	0.15	0.15
13:15:00	0.01	13:15:00	0.15	0.15
13:20:00	0.01	13:20:00	0.15	0.15
13:25:00	0.01	13:25:00	0.15	0.15
13:30:00	0.01	13:30:00	0.15	0.15
13:35:00	0.01	13:35:00	0.15	0.15
13:40:00	0.01	13:40:00	0.15	0.15
13:45:00	0.01	13:45:00	0.15	0.15
13:50:00	0.01	13:50:00	0.15	0.15
13:55:00	0.01	13:55:00	0.15	0.15
14:00:00	0.01	14:00:00	0.15	0.15
14:05:00	0.01	14:05:00	0.15	0.15
14:10:00	0.01	14:10:00	0.15	0.15
14:15:00	0.01	14:15:00	0.15	0.15
14:20:00	0.01	14:20:00	0.15	0.15
14:25:00	0.01	14:25:00	0.15	0.15
14:30:00	0.01	14:30:00	0.15	0.15
14:35:00	0.01	14:35:00	0.15	0.15
14:40:00	0.01	14:40:00	0.15	0.15
14:45:00	0.01	14:45:00	0.15	0.15

14:50:00	0.01	14:50:00	0.15	0.15
14:55:00	0.01	14:55:00	0.15	0.15
15:00:00	0.01	15:00:00	0.15	0.15
15:05:00	0.01	15:05:00	0.15	0.15
15:10:00	0.01	15:10:00	0.15	0.15

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/15/2015

Upwind		Downwind		Difference
Time	**Conc [ppm]**	**Time**	**Conc [ppm]**	**Conc [ppm]**
7:30:00	0.05	7:30:00	0.02	-0.02
7:35:00	0.05	7:35:00	0.02	-0.02
7:40:00	0.05	7:40:00	0.02	-0.02
7:45:00	0.05	7:45:00	0.02	-0.02
7:50:00	0.05	7:50:00	0.02	-0.02
7:55:00	0.05	7:55:00	0.02	-0.02
8:00:00	0.05	8:00:00	0.09	0.05
8:05:00	0.05	8:05:00	0.09	0.05
8:10:00	0.05	8:10:00	0.09	0.05
8:15:00	0.05	8:15:00	0.22	0.18
8:20:00	0.05	8:20:00	0.22	0.18
8:25:00	0.05	8:25:00	0.22	0.18
8:30:00	0.05	8:30:00	0.22	0.18
8:35:00	0.05	8:35:00	0.22	0.18
8:40:00	0.05	8:40:00	0.22	0.18
8:45:00	0.05	8:45:00	0.25	0.21
8:50:00	0.05	8:50:00	0.25	0.21
8:55:00	0.05	8:55:00	0.25	0.21
9:00:00	0.05	9:00:00	0.24	0.20
9:05:00	0.05	9:05:00	0.24	0.20
9:10:00	0.05	9:10:00	0.24	0.20
9:15:00	0.05	9:15:00	0.24	0.20
9:20:00	0.05	9:20:00	0.24	0.20
9:25:00	0.05	9:25:00	0.24	0.20
9:30:00	0.05	9:30:00	0.24	0.20
9:35:00	0.05	9:35:00	0.24	0.20
9:40:00	0.05	9:40:00	0.24	0.20
9:45:00	0.05	9:45:00	0.24	0.20
9:50:00	0.05	9:50:00	0.24	0.20
9:55:00	0.05	9:55:00	0.24	0.20
10:00:00	0.05	10:00:00	0.24	0.20
10:05:00	0.05	10:05:00	0.24	0.20
10:10:00	0.05	10:10:00	0.24	0.20

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/16/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:15:00	0.20	7:15:00	NL	NM
7:20:00	0.00	7:20:00	NL	NM
7:25:00	0.00	7:25:00	NL	NM
7:30:00	0.00	7:30:00	NL	NM
7:35:00	0.00	7:35:00	NL	NM
7:40:00	0.00	7:40:00	NL	NM
7:45:00	0.00	7:45:00	NL	NM
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM

10:15:00	0.00	10:15:00	NL	NM
10:20:00	0.00	10:20:00	NL	NM
10:25:00	0.00	10:25:00	NL	NM
10:30:00	0.00	10:30:00	NL	NM
10:35:00	0.00	10:35:00	NL	NM
10:40:00	0.00	10:40:00	NL	NM
10:45:00	0.00	10:45:00	NL	NM
10:50:00	0.00	10:50:00	NL	NM
10:55:00	0.00	10:55:00	NL	NM
11:00:00	0.00	11:00:00	NL	NM
11:05:00	0.00	11:05:00	NL	NM
11:10:00	0.00	11:10:00	NL	NM
11:15:00	0.00	11:15:00	NL	NM
11:20:00	0.00	11:20:00	NL	NM
11:25:00	0.00	11:25:00	NL	NM
11:30:00	0.00	11:30:00	NL	NM
11:35:00	0.00	11:35:00	NL	NM
11:40:00	0.00	11:40:00	NL	NM
11:45:00	0.00	11:45:00	NL	NM
11:50:00	0.00	11:50:00	NL	NM
11:55:00	0.00	11:55:00	NL	NM
12:00:00	0.00	12:00:00	NL	NM
12:05:00	0.00	12:05:00	NL	NM
12:10:00	0.00	12:10:00	NL	NM
12:15:00	0.00	12:15:00	NL	NM
12:20:00	0.00	12:20:00	NL	NM
12:25:00	0.00	12:25:00	NL	NM
12:30:00	0.00	12:30:00	NL	NM
12:35:00	0.00	12:35:00	NL	NM
12:40:00	0.00	12:40:00	NL	NM
12:45:00	0.00	12:45:00	NL	NM
12:50:00	0.00	12:50:00	NL	NM
12:55:00	0.00	12:55:00	NL	NM
1:00:00	0.00	1:00:00	NL	NM
1:05:00	0.00	1:05:00	NL	NM
1:10:00	0.00	1:10:00	NL	NM
1:15:00	0.00	1:15:00	NL	NM
1:20:00	0.00	1:20:00	NL	NM
1:25:00	0.00	1:25:00	NL	NM
1:30:00	0.00	1:30:00	NL	NM
1:35:00	0.00	1:35:00	NL	NM
1:40:00	0.00	1:40:00	NL	NM
1:45:00	0.00	1:45:00	NL	NM
1:50:00	0.00	1:50:00	NL	NM
1:55:00	0.00	1:55:00	NL	NM
2:00:00	0.00	2:00:00	NL	NM
2:05:00	0.00	2:05:00	NL	NM

2:10:00	0.00	2:10:00	NL	NM
2:15:00	0.00	2:15:00	NL	NM
2:20:00	0.00	2:20:00	NL	NM
2:25:00	0.00	2:25:00	NL	NM
2:30:00	0.10	2:30:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/17/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:20:00	0.1	7:20:00	NL	NM
7:25:00	0.1	7:25:00	NL	NM
7:30:00	0.1	7:30:00	NL	NM
7:35:00	0.0	7:35:00	NL	NM
7:40:00	0.0	7:40:00	NL	NM
7:45:00	0.0	7:45:00	NL	NM
7:50:00	0.0	7:50:00	NL	NM
7:55:00	0.0	7:55:00	NL	NM
8:00:00	0.0	8:00:00	NL	NM
8:05:00	0.0	8:05:00	NL	NM
8:10:00	0.0	8:10:00	NL	NM
8:15:00	0.0	8:15:00	NL	NM
8:20:00	0.0	8:20:00	NL	NM
8:25:00	0.0	8:25:00	NL	NM
8:30:00	0.0	8:30:00	NL	NM
8:35:00	0.0	8:35:00	NL	NM
8:40:00	0.0	8:40:00	NL	NM
8:45:00	0.0	8:45:00	NL	NM
8:50:00	0.0	8:50:00	NL	NM
8:55:00	0.0	8:55:00	NL	NM
9:00:00	0.0	9:00:00	NL	NM
9:05:00	0.0	9:05:00	NL	NM
9:10:00	0.0	9:10:00	NL	NM
9:15:00	0.0	9:15:00	NL	NM
9:20:00	0.0	9:20:00	NL	NM
9:25:00	0.0	9:25:00	NL	NM
9:30:00	0.0	9:30:00	NL	NM
9:35:00	0.1	9:35:00	NL	NM
9:40:00	0.1	9:40:00	NL	NM
9:45:00	0.1	9:45:00	NL	NM
9:50:00	0.1	9:50:00	NL	NM
9:55:00	0.1	9:55:00	NL	NM
10:00:00	0.1	10:00:00	NL	NM
10:05:00	0.2	10:05:00	NL	NM
10:10:00	0.2	10:10:00	NL	NM
10:15:00	0.2	10:15:00	NL	NM

10:20:00	0.1	10:20:00	NL	NM
10:25:00	0.1	10:25:00	NL	NM
10:30:00	0.1	10:30:00	NL	NM
10:35:00	0.1	10:35:00	NL	NM
10:40:00	0.1	10:40:00	NL	NM
10:45:00	0.1	10:45:00	NL	NM
10:50:00	0.0	10:50:00	NL	NM
10:55:00	0.0	10:55:00	NL	NM
11:00:00	0.0	11:00:00	NL	NM
11:05:00	0.1	11:05:00	NL	NM
11:10:00	0.1	11:10:00	NL	NM
11:15:00	0.1	11:15:00	NL	NM
11:20:00	0.0	11:20:00	NL	NM
11:25:00	0.0	11:25:00	NL	NM
11:30:00	0.0	11:30:00	NL	NM
11:35:00	0.0	11:35:00	NL	NM
11:40:00	0.0	11:40:00	NL	NM
11:45:00	0.0	11:45:00	NL	NM
11:50:00	0.0	11:50:00	NL	NM
11:55:00	0.0	11:55:00	NL	NM
12:00:00	0.0	12:00:00	NL	NM
12:05:00	0.0	12:05:00	NL	NM
12:10:00	0.0	12:10:00	NL	NM
12:15:00	0.0	12:15:00	NL	NM
12:20:00	0.0	12:20:00	NL	NM
12:25:00	0.0	12:25:00	NL	NM
12:30:00	0.0	12:30:00	NL	NM
12:35:00	0.0	12:35:00	NL	NM
12:40:00	0.0	12:40:00	NL	NM
12:45:00	0.0	12:45:00	NL	NM
12:50:00	0.0	12:50:00	NL	NM
12:55:00	0.0	12:55:00	NL	NM
13:00:00	0.0	13:00:00	NL	NM
13:05:00	0.0	13:05:00	NL	NM
13:10:00	0.0	13:10:00	NL	NM
13:15:00	0.0	13:15:00	NL	NM
13:20:00	0.0	13:20:00	NL	NM
13:25:00	0.1	13:25:00	NL	NM
13:30:00	0.1	13:30:00	NL	NM
13:35:00	0.1	13:35:00	NL	NM
13:40:00	0.1	13:40:00	NL	NM
13:45:00	0.1	13:45:00	NL	NM
13:50:00	0.1	13:50:00	NL	NM
13:55:00	0.1	13:55:00	NL	NM
14:00:00	0.1	14:00:00	NL	NM
14:05:00	0.1	14:05:00	NL	NM
14:10:00	0.0	14:10:00	NL	NM

14:15:00	0.0	14:15:00	NL	NM
14:20:00	0.0	14:20:00	NL	NM
14:25:00	0.0	14:25:00	NL	NM
14:30:00	0.0	14:30:00	NL	NM
14:35:00	0.0	14:35:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/20/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:15:00	0.03	7:15:00	NL	NM
7:20:00	0.03	7:20:00	NL	NM
7:25:00	0.03	7:25:00	NL	NM
7:30:00	0.03	7:30:00	NL	NM
7:35:00	0.03	7:35:00	NL	NM
7:40:00	0.03	7:40:00	NL	NM
7:45:00	0.03	7:45:00	NL	NM
7:50:00	0.03	7:50:00	NL	NM
7:55:00	0.03	7:55:00	NL	NM
8:00:00	0.03	8:00:00	NL	NM
8:05:00	0.03	8:05:00	NL	NM
8:10:00	0.03	8:10:00	NL	NM
8:15:00	0.03	8:15:00	NL	NM
8:20:00	0.03	8:20:00	NL	NM
8:25:00	0.03	8:25:00	NL	NM
8:30:00	0.03	8:30:00	NL	NM
8:35:00	0.03	8:35:00	NL	NM
8:40:00	0.03	8:40:00	NL	NM
8:45:00	0.03	8:45:00	NL	NM
8:50:00	0.03	8:50:00	NL	NM
8:55:00	0.03	8:55:00	NL	NM
9:00:00	0.03	9:00:00	NL	NM
9:05:00	0.03	9:05:00	NL	NM
9:10:00	0.03	9:10:00	NL	NM
9:15:00	0.03	9:15:00	NL	NM
9:20:00	0.03	9:20:00	NL	NM
9:25:00	0.03	9:25:00	NL	NM
9:30:00	0.03	9:30:00	NL	NM
9:35:00	0.03	9:35:00	NL	NM
9:40:00	0.03	9:40:00	NL	NM
9:45:00	0.03	9:45:00	NL	NM
9:50:00	0.06	9:50:00	NL	NM
9:55:00	0.06	9:55:00	NL	NM
10:00:00	0.06	10:00:00	NL	NM
10:05:00	0.06	10:05:00	NL	NM
10:10:00	0.06	10:10:00	NL	NM

10:15:00	0.06	10:15:00	NL	NM
10:20:00	0.06	10:20:00	NL	NM
10:25:00	0.06	10:25:00	NL	NM
10:30:00	0.06	10:30:00	NL	NM
10:35:00	0.06	10:35:00	NL	NM
10:40:00	0.06	10:40:00	NL	NM
10:45:00	0.06	10:45:00	NL	NM
10:50:00	0.06	10:50:00	NL	NM
10:55:00	0.06	10:55:00	NL	NM
11:00:00	0.06	11:00:00	NL	NM
11:05:00	0.06	11:05:00	NL	NM
11:10:00	0.06	11:10:00	NL	NM
11:15:00	0.06	11:15:00	NL	NM
11:20:00	0.06	11:20:00	NL	NM
11:25:00	0.06	11:25:00	NL	NM
11:30:00	0.06	11:30:00	NL	NM
11:35:00	0.06	11:35:00	NL	NM
11:40:00	0.06	11:40:00	NL	NM
11:45:00	0.06	11:45:00	NL	NM
11:50:00	0.06	11:50:00	NL	NM
11:55:00	0.06	11:55:00	NL	NM
12:00:00	0.06	12:00:00	NL	NM
12:05:00	0.06	12:05:00	NL	NM
12:10:00	0.06	12:10:00	NL	NM
12:15:00	0.06	12:15:00	NL	NM
12:20:00	0.06	12:20:00	NL	NM
12:25:00	0.06	12:25:00	NL	NM
12:30:00	0.06	12:30:00	NL	NM
12:35:00	0.06	12:35:00	NL	NM
12:40:00	0.06	12:40:00	NL	NM
12:45:00	0.06	12:45:00	NL	NM
12:50:00	0.06	12:50:00	NL	NM
12:55:00	0.06	12:55:00	NL	NM
1:00:00	0.06	1:00:00	NL	NM
1:05:00	0.06	1:05:00	NL	NM
1:10:00	0.06	1:10:00	NL	NM
1:15:00	0.06	1:15:00	NL	NM
1:20:00	0.06	1:20:00	NL	NM
1:25:00	0.06	1:25:00	NL	NM
1:30:00	0.06	1:30:00	NL	NM
1:35:00	0.06	1:35:00	NL	NM
1:40:00	0.06	1:40:00	NL	NM
1:45:00	0.06	1:45:00	NL	NM
1:50:00	0.06	1:50:00	NL	NM
1:55:00	0.06	1:55:00	NL	NM
2:00:00	0.06	2:00:00	NL	NM
2:05:00	0.06	2:05:00	NL	NM

2:10:00	0.06	2:10:00	NL	NM
2:15:00	0.06	2:15:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/21/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:20:00	0.05	7:20:00	NL	NM
7:25:00	0.05	7:25:00	NL	NM
7:30:00	0.05	7:30:00	NL	NM
7:35:00	0.01	7:35:00	NL	NM
7:40:00	0.01	7:40:00	NL	NM
7:45:00	0.01	7:45:00	NL	NM
7:50:00	0.01	7:50:00	NL	NM
7:55:00	0.01	7:55:00	NL	NM
8:00:00	0.01	8:00:00	NL	NM
8:05:00	0.01	8:05:00	NL	NM
8:10:00	0.01	8:10:00	NL	NM
8:15:00	0.01	8:15:00	NL	NM
8:20:00	0.01	8:20:00	NL	NM
8:25:00	0.01	8:25:00	NL	NM
8:30:00	0.01	8:30:00	NL	NM
8:35:00	0.06	8:35:00	NL	NM
8:40:00	0.06	8:40:00	NL	NM
8:45:00	0.06	8:45:00	NL	NM
8:50:00	0.06	8:50:00	NL	NM
8:55:00	0.06	8:55:00	NL	NM
9:00:00	0.06	9:00:00	NL	NM
9:05:00	0.06	9:05:00	NL	NM
9:10:00	0.05	9:10:00	NL	NM
9:15:00	0.05	9:15:00	NL	NM
9:20:00	0.05	9:20:00	NL	NM
9:25:00	0.05	9:25:00	NL	NM
9:30:00	0.05	9:30:00	NL	NM
9:35:00	0.05	9:35:00	NL	NM
9:40:00	0.05	9:40:00	NL	NM
9:45:00	0.05	9:45:00	NL	NM
9:50:00	0.05	9:50:00	NL	NM
9:55:00	0.05	9:55:00	NL	NM
10:00:00	0.05	10:00:00	NL	NM
10:05:00	0.05	10:05:00	NL	NM
10:10:00	0.05	10:10:00	NL	NM
10:15:00	0.05	10:15:00	NL	NM

10:20:00	0.05	10:20:00	NL	NM
10:25:00	0.05	10:25:00	NL	NM
10:30:00	0.05	10:30:00	NL	NM
10:35:00	0.05	10:35:00	NL	NM
10:40:00	0.05	10:40:00	NL	NM
10:45:00	0.05	10:45:00	NL	NM
10:50:00	0.05	10:50:00	NL	NM
10:55:00	0.05	10:55:00	NL	NM
11:00:00	0.05	11:00:00	NL	NM
11:05:00	0.05	11:05:00	NL	NM
11:10:00	0.05	11:10:00	NL	NM
11:15:00	0.05	11:15:00	NL	NM
11:20:00	0.05	11:20:00	NL	NM
11:25:00	0.05	11:25:00	NL	NM
11:30:00	0.05	11:30:00	NL	NM
11:35:00	0.05	11:35:00	NL	NM
11:40:00	0.05	11:40:00	NL	NM
11:45:00	0.05	11:45:00	NL	NM
11:50:00	0.05	11:50:00	NL	NM
11:55:00	0.05	11:55:00	NL	NM
12:00:00	0.05	12:00:00	NL	NM
12:05:00	0.05	12:05:00	NL	NM
12:10:00	0.05	12:10:00	NL	NM
12:15:00	0.05	12:15:00	NL	NM
12:20:00	0.05	12:20:00	NL	NM
12:25:00	0.05	12:25:00	NL	NM
12:30:00	0.05	12:30:00	NL	NM
12:35:00	0.06	12:35:00	NL	NM
12:40:00	0.06	12:40:00	NL	NM
12:45:00	0.06	12:45:00	NL	NM
12:50:00	0.04	12:50:00	NL	NM
12:55:00	0.04	12:55:00	NL	NM
13:00:00	0.04	13:00:00	NL	NM
13:05:00	0.04	13:05:00	NL	NM
13:10:00	0.04	13:10:00	NL	NM
13:15:00	0.04	13:15:00	NL	NM
13:20:00	0.07	13:20:00	NL	NM
13:25:00	0.07	13:25:00	NL	NM
13:30:00	0.07	13:30:00	NL	NM
13:35:00	0.07	13:35:00	NL	NM
13:40:00	0.07	13:40:00	NL	NM
13:45:00	0.07	13:45:00	NL	NM
13:50:00	0.07	13:50:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/24/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:15:00	0.01	7:15:00	NL	NM
7:20:00	0.01	7:20:00	NL	NM
7:25:00	0.01	7:25:00	NL	NM
7:30:00	0.01	7:30:00	NL	NM
7:35:00	0.01	7:35:00	NL	NM
7:40:00	0.01	7:40:00	NL	NM
7:45:00	0.01	7:45:00	NL	NM
7:50:00	0.01	7:50:00	NL	NM
7:55:00	0.01	7:55:00	NL	NM
8:00:00	0.01	8:00:00	NL	NM
8:05:00	0.01	8:05:00	NL	NM
8:10:00	0.01	8:10:00	NL	NM
8:15:00	0.01	8:15:00	NL	NM
8:20:00	0.01	8:20:00	NL	NM
8:25:00	0.01	8:25:00	NL	NM
8:30:00	0.01	8:30:00	NL	NM
8:35:00	0.01	8:35:00	NL	NM
8:40:00	0.01	8:40:00	NL	NM
8:45:00	0.01	8:45:00	NL	NM
8:50:00	0.01	8:50:00	NL	NM
8:55:00	0.01	8:55:00	NL	NM
9:00:00	0.01	9:00:00	NL	NM
9:05:00	0.01	9:05:00	NL	NM
9:10:00	0.01	9:10:00	NL	NM
9:15:00	0.01	9:15:00	NL	NM
9:20:00	0.01	9:20:00	NL	NM
9:25:00	0.01	9:25:00	NL	NM
9:30:00	0.01	9:30:00	NL	NM
9:35:00	0.01	9:35:00	NL	NM
9:40:00	0.01	9:40:00	NL	NM
9:45:00	0.01	9:45:00	NL	NM
9:50:00	0.01	9:50:00	NL	NM
9:55:00	0.01	9:55:00	NL	NM
10:00:00	0.01	10:00:00	NL	NM
10:05:00	0.01	10:05:00	NL	NM
10:10:00	0.01	10:10:00	NL	NM

10:15:00	0.01	10:15:00	NL	NM
10:20:00	0.01	10:20:00	NL	NM
10:25:00	0.01	10:25:00	NL	NM
10:30:00	0.01	10:30:00	NL	NM
10:35:00	0.01	10:35:00	NL	NM
10:40:00	0.01	10:40:00	NL	NM
10:45:00	0.01	10:45:00	NL	NM
10:50:00	0.01	10:50:00	NL	NM
10:55:00	0.01	10:55:00	NL	NM
11:00:00	0.01	11:00:00	NL	NM
11:05:00	0.01	11:05:00	NL	NM
11:10:00	0.01	11:10:00	NL	NM
11:15:00	0.01	11:15:00	NL	NM
11:20:00	0.01	11:20:00	NL	NM
11:25:00	0.01	11:25:00	NL	NM
11:30:00	0.01	11:30:00	NL	NM
11:35:00	0.01	11:35:00	NL	NM
11:40:00	0.01	11:40:00	NL	NM
11:45:00	0.01	11:45:00	NL	NM
11:50:00	0.01	11:50:00	NL	NM
11:55:00	0.01	11:55:00	NL	NM
12:00:00	0.01	12:00:00	NL	NM
12:05:00	0.01	12:05:00	NL	NM
12:10:00	0.01	12:10:00	NL	NM
12:15:00	0.01	12:15:00	NL	NM
12:20:00	0.01	12:20:00	NL	NM
12:25:00	0.01	12:25:00	NL	NM
12:30:00	0.01	12:30:00	NL	NM
12:35:00	0.01	12:35:00	NL	NM
12:40:00	0.01	12:40:00	NL	NM
12:45:00	0.01	12:45:00	NL	NM
12:50:00	0.01	12:50:00	NL	NM
12:55:00	0.01	12:55:00	NL	NM
13:00:00	0.01	13:00:00	NL	NM
13:05:00	0.01	13:05:00	NL	NM
13:10:00	0.01	13:10:00	NL	NM
13:15:00	0.01	13:15:00	NL	NM
13:20:00	0.01	13:20:00	NL	NM
13:25:00	0.01	13:25:00	NL	NM
13:30:00	0.01	13:30:00	NL	NM
13:35:00	0.01	13:35:00	NL	NM
13:40:00	0.01	13:40:00	NL	NM
13:45:00	0.01	13:45:00	NL	NM
13:50:00	0.01	13:50:00	NL	NM
13:55:00	0.01	13:55:00	NL	NM
14:00:00	0.10	14:00:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/25/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:25:00	0.00	7:25:00	NL	NM
7:30:00	0.00	7:30:00	NL	NM
7:35:00	0.00	7:35:00	NL	NM
7:40:00	0.00	7:40:00	NL	NM
7:45:00	0.00	7:45:00	NL	NM
7:50:00	0.00	7:50:00	NL	NM
7:55:00	0.00	7:55:00	NL	NM
8:00:00	0.00	8:00:00	NL	NM
8:05:00	0.00	8:05:00	NL	NM
8:10:00	0.00	8:10:00	NL	NM
8:15:00	0.00	8:15:00	NL	NM
8:20:00	0.00	8:20:00	NL	NM
8:25:00	0.00	8:25:00	NL	NM
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM
10:15:00	0.06	10:15:00	NL	NM
10:20:00	0.06	10:20:00	NL	NM

10:25:00	0.06	10:25:00	NL	NM
10:30:00	0.06	10:30:00	NL	NM
10:35:00	0.06	10:35:00	NL	NM
10:40:00	0.06	10:40:00	NL	NM
10:45:00	0.06	10:45:00	NL	NM
10:50:00	0.06	10:50:00	NL	NM
10:55:00	0.06	10:55:00	NL	NM
11:00:00	0.06	11:00:00	NL	NM
11:05:00	0.06	11:05:00	NL	NM
11:10:00	0.06	11:10:00	NL	NM
11:15:00	0.05	11:15:00	NL	NM
11:20:00	0.05	11:20:00	NL	NM
11:25:00	0.05	11:25:00	NL	NM
11:30:00	0.05	11:30:00	NL	NM
11:35:00	0.05	11:35:00	NL	NM
11:40:00	0.05	11:40:00	NL	NM
11:45:00	0.05	11:45:00	NL	NM
11:50:00	0.05	11:50:00	NL	NM
11:55:00	0.05	11:55:00	NL	NM
12:00:00	0.05	12:00:00	NL	NM
12:05:00	0.05	12:05:00	NL	NM
12:10:00	0.05	12:10:00	NL	NM
12:15:00	0.05	12:15:00	NL	NM
12:20:00	0.05	12:20:00	NL	NM
12:25:00	0.05	12:25:00	NL	NM
12:30:00	0.05	12:30:00	NL	NM
12:35:00	0.05	12:35:00	NL	NM
12:40:00	0.05	12:40:00	NL	NM
12:45:00	0.05	12:45:00	NL	NM
12:50:00	0.05	12:50:00	NL	NM
12:55:00	0.05	12:55:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/27/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:50:00	0.01	7:50:00	NL	NM
7:55:00	0.01	7:55:00	NL	NM
8:00:00	0.01	8:00:00	NL	NM
8:05:00	0.01	8:05:00	NL	NM
8:10:00	0.01	8:10:00	NL	NM
8:15:00	0.01	8:15:00	NL	NM
8:20:00	0.01	8:20:00	NL	NM
8:25:00	0.01	8:25:00	NL	NM
8:30:00	0.01	8:30:00	NL	NM
8:35:00	0.01	8:35:00	NL	NM
8:40:00	0.01	8:40:00	NL	NM
8:45:00	0.01	8:45:00	NL	NM
8:50:00	0.01	8:50:00	NL	NM
8:55:00	0.01	8:55:00	NL	NM
9:00:00	0.01	9:00:00	NL	NM
9:05:00	0.01	9:05:00	NL	NM
9:10:00	0.01	9:10:00	NL	NM
9:15:00	0.01	9:15:00	NL	NM
9:20:00	0.01	9:20:00	NL	NM
9:25:00	0.01	9:25:00	NL	NM
9:30:00	0.01	9:30:00	NL	NM
9:35:00	0.01	9:35:00	NL	NM
9:40:00	0.01	9:40:00	NL	NM
9:45:00	0.01	9:45:00	NL	NM
9:50:00	0.01	9:50:00	NL	NM
9:55:00	0.01	9:55:00	NL	NM
10:00:00	0.01	10:00:00	NL	NM
10:05:00	0.01	10:05:00	NL	NM
10:10:00	0.01	10:10:00	NL	NM
10:15:00	0.01	10:15:00	NL	NM
10:20:00	0.01	10:20:00	NL	NM
10:25:00	0.01	10:25:00	NL	NM
10:30:00	0.01	10:30:00	NL	NM
10:35:00	0.01	10:35:00	NL	NM
10:40:00	0.01	10:40:00	NL	NM
10:45:00	0.01	10:45:00	NL	NM

10:50:00	0.01	10:50:00	NL	NM
10:55:00	0.01	10:55:00	NL	NM
11:00:00	0.01	11:00:00	NL	NM
11:05:00	0.01	11:05:00	NL	NM
11:10:00	0.01	11:10:00	NL	NM
11:15:00	0.01	11:15:00	NL	NM
11:20:00	0.01	11:20:00	NL	NM
11:25:00	0.01	11:25:00	NL	NM
11:30:00	0.01	11:30:00	NL	NM
11:35:00	0.01	11:35:00	NL	NM
11:40:00	0.01	11:40:00	NL	NM
11:45:00	0.01	11:45:00	NL	NM
11:50:00	0.01	11:50:00	NL	NM
11:55:00	0.01	11:55:00	NL	NM
12:00:00	0.01	12:00:00	NL	NM
12:05:00	0.01	12:05:00	NL	NM
12:10:00	0.01	12:10:00	NL	NM
12:15:00	0.01	12:15:00	NL	NM
12:20:00	0.01	12:20:00	NL	NM
12:25:00	0.01	12:25:00	NL	NM
12:30:00	0.01	12:30:00	NL	NM
12:35:00	0.01	12:35:00	NL	NM
12:40:00	0.01	12:40:00	NL	NM
12:45:00	0.01	12:45:00	NL	NM
12:50:00	0.01	12:50:00	NL	NM
12:55:00	0.01	12:55:00	NL	NM
1:00:00	0.01	1:00:00	NL	NM
1:05:00	0.01	1:05:00	NL	NM
1:10:00	0.01	1:10:00	NL	NM
1:15:00	0.01	1:15:00	NL	NM
1:20:00	0.01	1:20:00	NL	NM
1:25:00	0.01	1:25:00	NL	NM
1:30:00	0.01	1:30:00	NL	NM
1:35:00	0.01	1:35:00	NL	NM
1:40:00	0.01	1:40:00	NL	NM
1:45:00	0.01	1:45:00	NL	NM
1:50:00	0.01	1:50:00	NL	NM
1:55:00	0.01	1:55:00	NL	NM
2:00:00	0.01	2:00:00	NL	NM
2:05:00	0.01	2:05:00	NL	NM
2:10:00	0.01	2:10:00	NL	NM
2:15:00	0.01	2:15:00	NL	NM
2:20:00	0.01	2:20:00	NL	NM
2:25:00	0.01	2:25:00	NL	NM
2:30:00	0.01	2:30:00	NL	NM
2:35:00	0.01	2:35:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/28/2015

Upwind		**Downwind**		Difference
Time	**Conc [ppm]**	**Time**	Conc [ppm]	Conc [ppm]
7:15:00	0.10	7:15:00	NL	NM
7:20:00	0.10	7:20:00	NL	NM
7:25:00	0.10	7:25:00	NL	NM
7:30:00	0.10	7:30:00	NL	NM
7:35:00	0.10	7:35:00	NL	NM
7:40:00	0.10	7:40:00	NL	NM
7:45:00	0.10	7:45:00	NL	NM
7:50:00	0.10	7:50:00	NL	NM
7:55:00	0.10	7:55:00	NL	NM
8:00:00	0.10	8:00:00	NL	NM
8:05:00	0.10	8:05:00	NL	NM
8:10:00	0.10	8:10:00	NL	NM
8:15:00	0.10	8:15:00	NL	NM
8:20:00	0.10	8:20:00	NL	NM
8:25:00	0.10	8:25:00	NL	NM
8:30:00	0.10	8:30:00	NL	NM
8:35:00	0.10	8:35:00	NL	NM
8:40:00	0.10	8:40:00	NL	NM
8:45:00	0.10	8:45:00	NL	NM
8:50:00	0.10	8:50:00	NL	NM
8:55:00	0.10	8:55:00	NL	NM
9:00:00	0.10	9:00:00	NL	NM
9:05:00	0.10	9:05:00	NL	NM
9:10:00	0.10	9:10:00	NL	NM
9:15:00	0.10	9:15:00	NL	NM
9:20:00	0.10	9:20:00	NL	NM
9:25:00	0.10	9:25:00	NL	NM
9:30:00	0.10	9:30:00	NL	NM
9:35:00	0.10	9:35:00	NL	NM
9:40:00	0.10	9:40:00	NL	NM
9:45:00	0.10	9:45:00	NL	NM
9:50:00	0.10	9:50:00	NL	NM
9:55:00	0.10	9:55:00	NL	NM
10:00:00	0.10	10:00:00	NL	NM
10:05:00	0.10	10:05:00	NL	NM
10:10:00	0.10	10:10:00	NL	NM

10:15:00	0.10	10:15:00	NL	NM
10:20:00	0.10	10:20:00	NL	NM
10:25:00	0.10	10:25:00	NL	NM
10:30:00	0.10	10:30:00	NL	NM
10:35:00	0.10	10:35:00	NL	NM
10:40:00	0.10	10:40:00	NL	NM
10:45:00	0.10	10:45:00	NL	NM
10:50:00	0.10	10:50:00	NL	NM
10:55:00	0.10	10:55:00	NL	NM
11:00:00	0.10	11:00:00	NL	NM
11:05:00	0.10	11:05:00	NL	NM
11:10:00	0.10	11:10:00	NL	NM
11:15:00	0.10	11:15:00	NL	NM
11:20:00	0.10	11:20:00	NL	NM
11:25:00	0.10	11:25:00	NL	NM
11:30:00	0.10	11:30:00	NL	NM
11:35:00	0.10	11:35:00	NL	NM
11:40:00	0.10	11:40:00	NL	NM
11:45:00	0.10	11:45:00	NL	NM
11:50:00	0.10	11:50:00	NL	NM
11:55:00	0.10	11:55:00	NL	NM
12:00:00	0.10	12:00:00	NL	NM
12:05:00	0.10	12:05:00	NL	NM
12:10:00	0.10	12:10:00	NL	NM
12:15:00	0.10	12:15:00	NL	NM
12:20:00	0.10	12:20:00	NL	NM
12:25:00	0.10	12:25:00	NL	NM
12:30:00	0.10	12:30:00	NL	NM
12:35:00	0.10	12:35:00	NL	NM
12:40:00	0.10	12:40:00	NL	NM
12:45:00	0.10	12:45:00	NL	NM
12:50:00	0.10	12:50:00	NL	NM
12:55:00	0.10	12:55:00	NL	NM
13:00:00	0.10	13:00:00	NL	NM
13:05:00	0.10	13:05:00	NL	NM
13:10:00	0.10	13:10:00	NL	NM
13:15:00	0.10	13:15:00	NL	NM
13:20:00	0.10	13:20:00	NL	NM
13:25:00	0.10	13:25:00	NL	NM
13:30:00	0.10	13:30:00	NL	NM
13:35:00	0.10	13:35:00	NL	NM
13:40:00	0.10	13:40:00	NL	NM
13:45:00	0.10	13:45:00	NL	NM
13:50:00	0.10	13:50:00	NL	NM
13:55:00	0.10	13:55:00	NL	NM
14:00:00	0.10	14:00:00	NL	NM
14:05:00	0.10	14:05:00	NL	NM

14:10:00	0.10	14:10:00	NL	NM
14:15:00	0.10	14:15:00	NL	NM
14:20:00	0.10	14:20:00	NL	NM
14:25:00	0.10	14:25:00	NL	NM
14:30:00	0.10	14:30:00	NL	NM
14:35:00	0.10	14:35:00	NL	NM
14:40:00	0.10	14:40:00	NL	NM
14:45:00	0.10	14:45:00	NL	NM
14:50:00	0.10	14:50:00	NL	NM
14:55:00	0.10	14:55:00	NL	NM
15:00:00	0.10	15:00:00	NL	NM
15:05:00	0.10	15:05:00	NL	NM
15:10:00	0.10	15:10:00	NL	NM
15:15:00	0.10	15:15:00	NL	NM
15:20:00	0.10	15:20:00	NL	NM
15:25:00	0.10	15:25:00	NL	NM
15:30:00	0.10	15:30:00	NL	NM
15:35:00	0.10	15:35:00	NL	NM
15:40:00	0.10	15:40:00	NL	NM
15:45:00	0.10	15:45:00	NL	NM
15:50:00	0.10	15:50:00	NL	NM
15:55:00	0.10	15:55:00	NL	NM
16:00:00	0.10	16:00:00	NL	NM
16:05:00	0.10	16:05:00	NL	NM
16:10:00	0.10	16:10:00	NL	NM
16:15:00	0.10	16:15:00	NL	NM
16:20:00	0.10	16:20:00	NL	NM
16:25:00	0.10	16:25:00	NL	NM
16:30:00	0.10	16:30:00	NL	NM
16:35:00	0.10	16:35:00	NL	NM
16:40:00	0.10	16:40:00	NL	NM
16:45:00	0.10	16:45:00	NL	NM
16:50:00	0.10	16:50:00	NL	NM
16:55:00	0.10	16:55:00	NL	NM
17:00:00	0.10	17:00:00	NL	NM
17:05:00	0.10	17:05:00	NL	NM
17:10:00	0.10	17:10:00	NL	NM
17:15:00	0.10	17:15:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/29/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:25:00	0.01	7:25:00	NL	NM
7:30:00	0.01	7:30:00	NL	NM
7:35:00	0.01	7:35:00	NL	NM
7:40:00	0.01	7:40:00	NL	NM
7:45:00	0.01	7:45:00	NL	NM
7:50:00	0.01	7:50:00	NL	NM
7:55:00	0.01	7:55:00	NL	NM
8:00:00	0.01	8:00:00	NL	NM
8:05:00	0.01	8:05:00	NL	NM
8:10:00	0.01	8:10:00	NL	NM
8:15:00	0.01	8:15:00	NL	NM
8:20:00	0.01	8:20:00	NL	NM
8:25:00	0.01	8:25:00	NL	NM
8:30:00	0.01	8:30:00	NL	NM
8:35:00	0.01	8:35:00	NL	NM
8:40:00	0.01	8:40:00	NL	NM
8:45:00	0.01	8:45:00	NL	NM
8:50:00	0.01	8:50:00	NL	NM
8:55:00	0.10	8:55:00	NL	NM
9:00:00	0.10	9:00:00	NL	NM
9:05:00	0.10	9:05:00	NL	NM
9:10:00	0.01	9:10:00	NL	NM
9:15:00	0.01	9:15:00	NL	NM
9:20:00	0.01	9:20:00	NL	NM
9:25:00	0.01	9:25:00	NL	NM
9:30:00	0.01	9:30:00	NL	NM
9:35:00	0.01	9:35:00	NL	NM
9:40:00	0.01	9:40:00	NL	NM
9:45:00	0.01	9:45:00	NL	NM
9:50:00	0.01	9:50:00	NL	NM
9:55:00	0.01	9:55:00	NL	NM
10:00:00	0.01	10:00:00	NL	NM
10:05:00	0.01	10:05:00	NL	NM
10:10:00	0.01	10:10:00	NL	NM
10:15:00	0.01	10:15:00	NL	NM
10:20:00	0.01	10:20:00	NL	NM

10:25:00	0.10	10:25:00	NL	NM
10:30:00	0.10	10:30:00	NL	NM
10:35:00	0.10	10:35:00	NL	NM
10:40:00	0.01	10:40:00	NL	NM
10:45:00	0.01	10:45:00	NL	NM
10:50:00	0.01	10:50:00	NL	NM
10:55:00	0.01	10:55:00	NL	NM
11:00:00	0.01	11:00:00	NL	NM
11:05:00	0.01	11:05:00	NL	NM
11:10:00	0.01	11:10:00	NL	NM
11:15:00	0.01	11:15:00	NL	NM
11:20:00	0.01	11:20:00	NL	NM
11:25:00	0.10	11:25:00	NL	NM
11:30:00	0.10	11:30:00	NL	NM
11:35:00	0.10	11:35:00	NL	NM
11:40:00	0.01	11:40:00	NL	NM
11:45:00	0.01	11:45:00	NL	NM
11:50:00	0.01	11:50:00	NL	NM
11:55:00	0.01	11:55:00	NL	NM
12:00:00	0.01	12:00:00	NL	NM
12:05:00	0.01	12:05:00	NL	NM
12:10:00	0.01	12:10:00	NL	NM
12:15:00	0.01	12:15:00	NL	NM
12:20:00	0.01	12:20:00	NL	NM
12:25:00	0.01	12:25:00	NL	NM
12:30:00	0.01	12:30:00	NL	NM
12:35:00	0.01	12:35:00	NL	NM
12:40:00	0.01	12:40:00	NL	NM
12:45:00	0.01	12:45:00	NL	NM
12:50:00	0.01	12:50:00	NL	NM
12:55:00	0.01	12:55:00	NL	NM
13:00:00	0.01	13:00:00	NL	NM
13:05:00	0.01	13:05:00	NL	NM
13:10:00	0.01	13:10:00	NL	NM
13:15:00	0.01	13:15:00	NL	NM
13:20:00	0.01	13:20:00	NL	NM
13:25:00	0.01	13:25:00	NL	NM
13:30:00	0.01	13:30:00	NL	NM
13:35:00	0.01	13:35:00	NL	NM
13:40:00	0.01	13:40:00	NL	NM
13:45:00	0.01	13:45:00	NL	NM
13:50:00	0.01	13:50:00	NL	NM
13:55:00	0.01	13:55:00	NL	NM
14:00:00	0.01	14:00:00	NL	NM
14:05:00	0.01	14:05:00	NL	NM
14:10:00	0.01	14:10:00	NL	NM
14:15:00	0.01	14:15:00	NL	NM

14:20:00	0.01	14:20:00	NL	NM
14:25:00	0.01	14:25:00	NL	NM
14:30:00	0.01	14:30:00	NL	NM
14:35:00	0.01	14:35:00	NL	NM
14:40:00	0.01	14:40:00	NL	NM
14:45:00	0.01	14:45:00	NL	NM
14:50:00	0.01	14:50:00	NL	NM
14:55:00	0.01	14:55:00	NL	NM
15:00:00	0.01	15:00:00	NL	NM
15:05:00	0.01	15:05:00	NL	NM
15:10:00	0.01	15:10:00	NL	NM
15:15:00	0.01	15:15:00	NL	NM
15:20:00	0.01	15:20:00	NL	NM
15:25:00	0.01	15:25:00	NL	NM
15:30:00	0.01	15:30:00	NL	NM
15:35:00	0.01	15:35:00	NL	NM
15:40:00	0.01	15:40:00	NL	NM
15:45:00	0.01	15:45:00	NL	NM
15:50:00	0.01	15:50:00	NL	NM
15:55:00	0.01	15:55:00	NL	NM
16:00:00	0.01	16:00:00	NL	NM
16:05:00	0.01	16:05:00	NL	NM
16:10:00	0.01	16:10:00	NL	NM
16:15:00	0.01	16:15:00	NL	NM
16:20:00	0.01	16:20:00	NL	NM
16:25:00	0.01	16:25:00	NL	NM
16:30:00	0.01	16:30:00	NL	NM
16:35:00	0.01	16:35:00	NL	NM
16:40:00	0.01	16:40:00	NL	NM
16:45:00	0.01	16:45:00	NL	NM
16:50:00	0.01	16:50:00	NL	NM
16:55:00	0.10	16:55:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/30/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:35:00	0.01	7:35:00	NL	NM
7:40:00	0.01	7:40:00	NL	NM
7:45:00	0.01	7:45:00	NL	NM
7:50:00	0.01	7:50:00	NL	NM
7:55:00	0.01	7:55:00	NL	NM
8:00:00	0.01	8:00:00	NL	NM
8:05:00	0.01	8:05:00	NL	NM
8:10:00	0.01	8:10:00	NL	NM
8:15:00	0.01	8:15:00	NL	NM
8:20:00	0.01	8:20:00	NL	NM
8:25:00	0.01	8:25:00	NL	NM
8:30:00	0.01	8:30:00	NL	NM
8:35:00	0.01	8:35:00	NL	NM
8:40:00	0.01	8:40:00	NL	NM
8:45:00	0.01	8:45:00	NL	NM
8:50:00	0.01	8:50:00	NL	NM
8:55:00	0.01	8:55:00	NL	NM
9:00:00	0.01	9:00:00	NL	NM
9:05:00	0.01	9:05:00	NL	NM
9:10:00	0.01	9:10:00	NL	NM
9:15:00	0.01	9:15:00	NL	NM
9:20:00	0.01	9:20:00	NL	NM
9:25:00	0.01	9:25:00	NL	NM
9:30:00	0.01	9:30:00	NL	NM
9:35:00	0.06	9:35:00	NL	NM
9:40:00	0.06	9:40:00	NL	NM
9:45:00	0.06	9:45:00	NL	NM
9:50:00	0.06	9:50:00	NL	NM
9:55:00	0.06	9:55:00	NL	NM
10:00:00	0.06	10:00:00	NL	NM
10:05:00	0.06	10:05:00	NL	NM
10:10:00	0.06	10:10:00	NL	NM
10:15:00	0.06	10:15:00	NL	NM
10:20:00	0.06	10:20:00	NL	NM
10:25:00	0.06	10:25:00	NL	NM
10:30:00	0.06	10:30:00	NL	NM

10:35:00	0.06	10:35:00	NL	NM
10:40:00	0.06	10:40:00	NL	NM
10:45:00	0.06	10:45:00	NL	NM
10:50:00	0.06	10:50:00	NL	NM
10:55:00	0.06	10:55:00	NL	NM
11:00:00	0.06	11:00:00	NL	NM
11:05:00	0.01	11:05:00	NL	NM
11:10:00	0.01	11:10:00	NL	NM
11:15:00	0.01	11:15:00	NL	NM
11:20:00	0.01	11:20:00	NL	NM
11:25:00	0.01	11:25:00	NL	NM
11:30:00	0.01	11:30:00	NL	NM
11:35:00	0.01	11:35:00	NL	NM
11:40:00	0.01	11:40:00	NL	NM
11:45:00	0.01	11:45:00	NL	NM
11:50:00	0.01	11:50:00	NL	NM
11:55:00	0.01	11:55:00	NL	NM
12:00:00	0.01	12:00:00	NL	NM
12:05:00	0.01	12:05:00	NL	NM
12:10:00	0.01	12:10:00	NL	NM
12:15:00	0.01	12:15:00	NL	NM
12:20:00	0.01	12:20:00	NL	NM
12:25:00	0.01	12:25:00	NL	NM
12:30:00	0.01	12:30:00	NL	NM
12:35:00	0.01	12:35:00	NL	NM
12:40:00	0.01	12:40:00	NL	NM
12:45:00	0.01	12:45:00	NL	NM
12:50:00	0.01	12:50:00	NL	NM
12:55:00	0.01	12:55:00	NL	NM
13:00:00	0.01	13:00:00	NL	NM
13:05:00	0.01	13:05:00	NL	NM
13:10:00	0.01	13:10:00	NL	NM
13:15:00	0.01	13:15:00	NL	NM
13:20:00	0.01	13:20:00	NL	NM
13:25:00	0.01	13:25:00	NL	NM
13:30:00	0.01	13:30:00	NL	NM
13:35:00	0.01	13:35:00	NL	NM
13:40:00	0.01	13:40:00	NL	NM
13:45:00	0.01	13:45:00	NL	NM
13:50:00	0.01	13:50:00	NL	NM
13:55:00	0.01	13:55:00	NL	NM
14:00:00	0.01	14:00:00	NL	NM
14:05:00	0.01	14:05:00	NL	NM
14:10:00	0.01	14:10:00	NL	NM
14:15:00	0.01	14:15:00	NL	NM
14:20:00	0.01	14:20:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 10/31/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
7:35:00	0.01	7:35:00	NL	NM
7:40:00	0.01	7:40:00	NL	NM
7:45:00	0.01	7:45:00	NL	NM
7:50:00	0.01	7:50:00	NL	NM
7:55:00	0.01	7:55:00	NL	NM
8:00:00	0.01	8:00:00	NL	NM
8:05:00	0.01	8:05:00	NL	NM
8:10:00	0.01	8:10:00	NL	NM
8:15:00	0.01	8:15:00	NL	NM
8:20:00	0.01	8:20:00	NL	NM
8:25:00	0.01	8:25:00	NL	NM
8:30:00	0.01	8:30:00	NL	NM
8:35:00	0.01	8:35:00	NL	NM
8:40:00	0.01	8:40:00	NL	NM
8:45:00	0.01	8:45:00	NL	NM
8:50:00	0.01	8:50:00	NL	NM
8:55:00	0.01	8:55:00	NL	NM
9:00:00	0.01	9:00:00	NL	NM
9:05:00	0.06	9:05:00	NL	NM
9:10:00	0.06	9:10:00	NL	NM
9:15:00	0.06	9:15:00	NL	NM
9:20:00	0.06	9:20:00	NL	NM
9:25:00	0.06	9:25:00	NL	NM
9:30:00	0.06	9:30:00	NL	NM
9:35:00	0.06	9:35:00	NL	NM
9:40:00	0.06	9:40:00	NL	NM
9:45:00	0.06	9:45:00	NL	NM
9:50:00	0.06	9:50:00	NL	NM
9:55:00	0.06	9:55:00	NL	NM
10:00:00	0.06	10:00:00	NL	NM
10:05:00	0.06	10:05:00	NL	NM
10:10:00	0.06	10:10:00	NL	NM
10:15:00	0.06	10:15:00	NL	NM
10:20:00	0.06	10:20:00	NL	NM
10:25:00	0.06	10:25:00	NL	NM
10:30:00	0.06	10:30:00	NL	NM

10:35:00	0.06	10:35:00	NL	NM
10:40:00	0.06	10:40:00	NL	NM
10:45:00	0.06	10:45:00	NL	NM
10:50:00	0.06	10:50:00	NL	NM
10:55:00	0.06	10:55:00	NL	NM
11:00:00	0.06	11:00:00	NL	NM
11:05:00	0.06	11:05:00	NL	NM
11:10:00	0.06	11:10:00	NL	NM
11:15:00	0.06	11:15:00	NL	NM
11:20:00	0.06	11:20:00	NL	NM
11:25:00	0.06	11:25:00	NL	NM
11:30:00	0.06	11:30:00	NL	NM
11:35:00	0.06	11:35:00	NL	NM
11:40:00	0.06	11:40:00	NL	NM
11:45:00	0.06	11:45:00	NL	NM
11:50:00	0.06	11:50:00	NL	NM
11:55:00	0.06	11:55:00	NL	NM
12:00:00	0.06	12:00:00	NL	NM
12:05:00	0.06	12:05:00	NL	NM
12:10:00	0.06	12:10:00	NL	NM
12:15:00	0.06	12:15:00	NL	NM
12:20:00	0.06	12:20:00	NL	NM
12:25:00	0.06	12:25:00	NL	NM
12:30:00	0.06	12:30:00	NL	NM
12:35:00	0.06	12:35:00	NL	NM
12:40:00	0.06	12:40:00	NL	NM
12:45:00	0.06	12:45:00	NL	NM
12:50:00	0.06	12:50:00	NL	NM
12:55:00	0.06	12:55:00	NL	NM
13:00:00	0.06	13:00:00	NL	NM
13:05:00	0.06	13:05:00	NL	NM
13:10:00	0.06	13:10:00	NL	NM
13:15:00	0.06	13:15:00	NL	NM
13:20:00	0.06	13:20:00	NL	NM
13:25:00	0.06	13:25:00	NL	NM
13:30:00	0.06	13:30:00	NL	NM
13:35:00	0.06	13:35:00	NL	NM
13:40:00	0.06	13:40:00	NL	NM
13:45:00	0.06	13:45:00	NL	NM
13:50:00	0.06	13:50:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 11/3/2015

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:30:00	0.00	8:30:00	NL	NM
8:35:00	0.00	8:35:00	NL	NM
8:40:00	0.00	8:40:00	NL	NM
8:45:00	0.00	8:45:00	NL	NM
8:50:00	0.00	8:50:00	NL	NM
8:55:00	0.00	8:55:00	NL	NM
9:00:00	0.00	9:00:00	NL	NM
9:05:00	0.00	9:05:00	NL	NM
9:10:00	0.00	9:10:00	NL	NM
9:15:00	0.00	9:15:00	NL	NM
9:20:00	0.00	9:20:00	NL	NM
9:25:00	0.00	9:25:00	NL	NM
9:30:00	0.00	9:30:00	NL	NM
9:35:00	0.00	9:35:00	NL	NM
9:40:00	0.00	9:40:00	NL	NM
9:45:00	0.00	9:45:00	NL	NM
9:50:00	0.00	9:50:00	NL	NM
9:55:00	0.00	9:55:00	NL	NM
10:00:00	0.00	10:00:00	NL	NM
10:05:00	0.00	10:05:00	NL	NM
10:10:00	0.00	10:10:00	NL	NM
10:15:00	0.05	10:15:00	NL	NM
10:20:00	0.05	10:20:00	NL	NM
10:25:00	0.05	10:25:00	NL	NM
10:30:00	0.05	10:30:00	NL	NM
10:35:00	0.05	10:35:00	NL	NM
10:40:00	0.05	10:40:00	NL	NM
10:45:00	0.05	10:45:00	NL	NM
10:50:00	0.05	10:50:00	NL	NM
10:55:00	0.05	10:55:00	NL	NM
11:00:00	0.05	11:00:00	NL	NM
11:05:00	0.05	11:05:00	NL	NM
11:10:00	0.05	11:10:00	NL	NM
11:15:00	0.05	11:15:00	NL	NM
11:20:00	0.05	11:20:00	NL	NM
11:25:00	0.05	11:25:00	NL	NM

11:30:00	0.05	11:30:00	NL	NM
11:35:00	0.05	11:35:00	NL	NM
11:40:00	0.05	11:40:00	NL	NM
11:45:00	0.05	11:45:00	NL	NM
11:50:00	0.05	11:50:00	NL	NM
11:55:00	0.05	11:55:00	NL	NM
12:00:00	0.05	12:00:00	NL	NM
12:05:00	0.05	12:05:00	NL	NM
12:10:00	0.05	12:10:00	NL	NM
12:15:00	0.05	12:15:00	NL	NM
12:20:00	0.05	12:20:00	NL	NM
12:25:00	0.05	12:25:00	NL	NM
12:30:00	0.05	12:30:00	NL	NM
12:35:00	0.05	12:35:00	NL	NM
12:40:00	0.05	12:40:00	NL	NM
12:45:00	0.23	12:45:00	NL	NM
12:50:00	0.23	12:50:00	NL	NM
12:55:00	0.23	12:55:00	NL	NM
13:00:00	0.12	13:00:00	NL	NM
13:05:00	0.12	13:05:00	NL	NM
13:10:00	0.12	13:10:00	NL	NM
13:15:00	0.12	13:15:00	NL	NM
13:20:00	0.12	13:20:00	NL	NM
13:25:00	0.12	13:25:00	NL	NM
13:30:00	0.12	13:30:00	NL	NM
13:35:00	0.12	13:35:00	NL	NM
13:40:00	0.12	13:40:00	NL	NM
13:45:00	0.12	13:45:00	NL	NM
13:50:00	0.12	13:50:00	NL	NM
13:55:00	0.12	13:55:00	NL	NM
14:00:00	0.12	14:00:00	NL	NM
14:05:00	0.12	14:05:00	NL	NM
14:10:00	0.12	14:10:00	NL	NM
14:15:00	0.12	14:15:00	NL	NM
14:20:00	0.12	14:20:00	NL	NM
14:25:00	0.12	14:25:00	NL	NM
14:30:00	0.12	14:30:00	NL	NM
14:35:00	0.12	14:35:00	NL	NM
14:40:00	0.12	14:40:00	NL	NM
14:45:00	0.12	14:45:00	NL	NM
14:50:00	0.12	14:50:00	NL	NM
14:55:00	0.12	14:55:00	NL	NM
15:00:00	0.12	15:00:00	NL	NM
15:05:00	0.12	15:05:00	NL	NM
15:10:00	0.12	15:10:00	NL	NM
15:15:00	0.12	15:15:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

Roux Associates
Community Air Monitoring Program - VOC

Project: Equity One - Broadway Bronx
PM: Wendy Monterosso
Location: 5510/5530 Broadway
Date: 11/4/2014

Upwind		Downwind		Difference
Time	Conc [ppm]	Time	Conc [ppm]	Conc [ppm]
8:35:00	0.02	8:35:00	NL	NM
8:40:00	0.02	8:40:00	NL	NM
8:45:00	0.02	8:45:00	NL	NM
8:50:00	0.02	8:50:00	NL	NM
8:55:00	0.02	8:55:00	NL	NM
9:00:00	0.02	9:00:00	NL	NM
9:05:00	0.08	9:05:00	NL	NM
9:10:00	0.08	9:10:00	NL	NM
9:15:00	0.08	9:15:00	NL	NM
9:20:00	0.08	9:20:00	NL	NM
9:25:00	0.08	9:25:00	NL	NM
9:30:00	0.08	9:30:00	NL	NM
9:35:00	0.08	9:35:00	NL	NM
9:40:00	0.08	9:40:00	NL	NM
9:45:00	0.08	9:45:00	NL	NM
9:50:00	0.08	9:50:00	NL	NM
9:55:00	0.08	9:55:00	NL	NM
10:00:00	0.08	10:00:00	NL	NM
10:05:00	0.08	10:05:00	NL	NM
10:10:00	0.08	10:10:00	NL	NM
10:15:00	0.08	10:15:00	NL	NM
10:20:00	0.08	10:20:00	NL	NM
10:25:00	0.08	10:25:00	NL	NM
10:30:00	0.08	10:30:00	NL	NM
10:35:00	0.08	10:35:00	NL	NM
10:40:00	0.08	10:40:00	NL	NM
10:45:00	0.08	10:45:00	NL	NM
10:50:00	0.08	10:50:00	NL	NM
10:55:00	0.08	10:55:00	NL	NM
11:00:00	0.08	11:00:00	NL	NM
11:05:00	0.08	11:05:00	NL	NM
11:10:00	0.08	11:10:00	NL	NM
11:15:00	0.08	11:15:00	NL	NM
11:20:00	0.08	11:20:00	NL	NM
11:25:00	0.08	11:25:00	NL	NM
11:30:00	0.08	11:30:00	NL	NM

11:35:00	0.08	11:35:00	NL	NM
11:40:00	0.08	11:40:00	NL	NM
11:45:00	0.08	11:45:00	NL	NM
11:50:00	0.08	11:50:00	NL	NM
11:55:00	0.08	11:55:00	NL	NM
12:00:00	0.08	12:00:00	NL	NM
12:05:00	0.08	12:05:00	NL	NM
12:10:00	0.08	12:10:00	NL	NM
12:15:00	0.08	12:15:00	NL	NM
12:20:00	0.08	12:20:00	NL	NM
12:25:00	0.08	12:25:00	NL	NM
12:30:00	0.08	12:30:00	NL	NM
12:35:00	0.08	12:35:00	NL	NM
12:40:00	0.08	12:40:00	NL	NM
12:45:00	0.08	12:45:00	NL	NM
12:50:00	0.08	12:50:00	NL	NM
12:55:00	0.08	12:55:00	NL	NM
13:00:00	0.08	13:00:00	NL	NM
13:05:00	0.08	13:05:00	NL	NM
13:10:00	0.08	13:10:00	NL	NM
13:15:00	0.08	13:15:00	NL	NM
13:20:00	0.08	13:20:00	NL	NM
13:25:00	0.08	13:25:00	NL	NM
13:30:00	0.08	13:30:00	NL	NM
13:35:00	0.08	13:35:00	NL	NM
13:40:00	0.08	13:40:00	NL	NM
13:45:00	0.08	13:45:00	NL	NM
13:50:00	0.08	13:50:00	NL	NM
13:55:00	0.08	13:55:00	NL	NM
14:00:00	0.08	14:00:00	NL	NM
14:05:00	0.08	14:05:00	NL	NM
14:10:00	0.08	14:10:00	NL	NM
14:15:00	0.08	14:15:00	NL	NM
14:20:00	0.08	14:20:00	NL	NM
14:25:00	0.08	14:25:00	NL	NM
14:30:00	0.08	14:30:00	NL	NM
14:35:00	0.08	14:35:00	NL	NM
14:40:00	0.08	14:40:00	NL	NM
14:45:00	0.08	14:45:00	NL	NM
14:50:00	0.08	14:50:00	NL	NM
14:55:00	0.08	14:55:00	NL	NM
15:00:00	0.08	15:00:00	NL	NM
15:05:00	0.08	15:05:00	NL	NM
15:10:00	0.08	15:10:00	NL	NM
15:15:00	0.08	15:15:00	NL	NM
15:20:00	0.08	15:20:00	NL	NM
15:25:00	0.08	15:25:00	NL	NM

15:30:00	0.08	15:30:00	NL	NM
15:35:00	0.08	15:35:00	NL	NM
15:40:00	0.08	15:40:00	NL	NM
15:45:00	0.08	15:45:00	NL	NM
15:50:00	0.08	15:50:00	NL	NM
15:55:00	0.08	15:55:00	NL	NM
16:00:00	0.08	16:00:00	NL	NM
16:05:00	0.08	16:05:00	NL	NM

NL- Meter was operating, but not logging data
NM- Not Measured Due to Equipment Malfunction

APPENDIX D

Daily and Monthly Reports to OER

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavate and Stockpile Soil for Off-site Disposal / CAMP
Field Representative:	Kelly Coulon
Date:	9/10/2014
Weather:	Mid to upper 70's, partly cloudy to clear in afternoon, light variable wind

Roux Personnel on Site:
Kelly Coulon

Other Personnel on Site:
Red Hook Construction Group

Major Equipment on Site:
Excavator

Description of Work Performed by Subcontractors:
Excavated soil from the northern portion of the Site stockpiled for off-site disposal.

Quantities of Materials Imported/Exported:
No soil exported from the Site; soil stockpiled for load out tomorrow.
No soil brought to the Site; the excavation remains open in preparation for construction.

Status of Stockpiles:
Excavated soil stockpiled on Site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the southeast portion of the site.
The downwind station was located in the northwest portion of the site, northwest of the excavation area.
No actionable limits were reached.

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Stockpile Soil for Off-site Disposal / CAMP
Field Representative:	Kelly Coulon
Date:	9/11/2014
Weather:	75-80's, overcast to partly cloudy in afternoon, light variable wind

Roux Personnel on Site:
Kelly Coulon

Other Personnel on Site:
Red Hook Construction Group

Major Equipment on Site:
Excavator
Loader

Description of Work Performed by Subcontractors:
Excavated soil from northeastern portion of Site stockpiled for off-site disposal.

Quantities of Materials Imported/Exported:
A total of four loads (20 cubic yard triaxle) of trucks transported off-site.
20 cubic yards of DGA brought to Site for stabilized construction entrance.
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on-site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the southeastern portion of the site.
The downwind station was located in the northwest portion of the site, northwest of the excavation area.
No actionable limits were reached.

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Excavation Backfill / CAMP
Field Representative:	Kevin Rogers
Date:	9/12/2014
Weather:	65-70 F, Partly cloudy in morning, then clear by noon

Roux Personnel on Site:
Kevin Rogers

Other Personnel on Site:
Red Hook Construction Group
Joe (operator), Mike & Neil (laborers), Art (contractor PM)

Major Equipment on Site:
Excavator
Trucks

Description of Work Performed by Subcontractors:
Excavation, loading and carting out of soil from stockpile by trucks

Quantities of Materials Imported/Exported:
4 truck loads
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on-site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the northern portion of the site.
The downwind station was located in the southern portion of the site, south of the excavation area.
2 Upwind exceedances and 1 Downwind exceedances
(All were short events due to proximity of meters to excitation work being done. Each time the measurements went back down to acceptable levels shortly after work was paused.)

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Excavation Backfill / CAMP
Field Representative:	Kevin Rogers
Date:	9/15/2014
Weather:	50-65 F, Partly cloudy in morning, then clear by noon

Roux Personnel on Site:
Kevin Rogers

Other Personnel on Site:
Red Hook Construction Group
Operator, 2 Laborers, Foreman

Major Equipment on Site:
Excavator
Trucks

Description of Work Performed by Subcontractors:
Excavation, moving large concrete blocks around lot, loading and carting out of soil from stockpile by trucks

Quantities of Materials Imported/Exported:
4 truck loads
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on-site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the northern portion of the site.
The downwind station was located in the southern portion of the site, south of the excavation area.
1006 Downwind dust exceedance (=0.116 mg/m3) due to proximity to excavator
1257 Downwind dust exceedance (=0.269 mg/m3) caused as excavator moved around site. Work stopped and had contractors spray down the ground for dust mitigation.
1433 Downwind PID exceedance (=9.4 ppm) caused by proximity to contractors refilling concrete saw fuel tank

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Excavation Backfill / CAMP
Field Representative:	Kevin Rogers
Date:	9/16/2014
Weather:	60-70 F, Light rain until 1130 then partly cloudy

Roux Personnel on Site:
Kevin Rogers

Other Personnel on Site:
Red Hook Construction Group
Operator, 2 Laborers, Foreman, M.B.I. (4 personnel) came by to drop off equipment

Major Equipment on Site:
Excavator, trucks, M.B.I. backhoe and drilling equipment

Description of Work Performed by Subcontractors:
Excavation, moving large concrete blocks around lot, loading and carting out of soil from stockpile by trucks

Quantities of Materials Imported/Exported:
6 truck loads
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on-site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the northern portion of the site.
The downwind station was located in the southern portion of the site, south of the excavation area.
1254 Downwind momentary dust meter exceedance (max=0.451 mg/m3) caused by close proximity to workers cutting discarded steel piping.

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Excavation Backfill / CAMP
Field Representative:	Kevin Rogers
Date:	9/17/2014
Weather:	60-70 F, Clear

Roux Personnel on Site:
Kevin Rogers

Other Personnel on Site:
Red Hook Construction Group
Operator, 2 Laborers, Foreman, M.B.I. (3 personnel)

Major Equipment on Site:
Excavator, trucks, M.B.I. backhoe and drilling equipment

Description of Work Performed by Subcontractors:
Loading and carting out of soil from stockpile by trucks, some excavation

Quantities of Materials Imported/Exported:
13 truck loads
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on Site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the northern portion of the site.
The downwind station was located in the southern portion of the site, south of the excavation area.
No excursions

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Excavation Backfill / CAMP
Field Representative:	Kevin Rogers
Date:	9/18/2014
Weather:	60-70 F, Clear and sunny

Roux Personnel on Site:
Kevin Rogers

Other Personnel on Site:
Red Hook Construction Group
Excavators - 3 personnel; Electrician; Foreman; M.B.I. - 4 personnel; 2 Surveyors; 2 Vibration monitoring personnel

Major Equipment on Site:
Excavator, trucks, M.B.I. backhoe and drilling equipment

Description of Work Performed by Subcontractors:
Loading and carting out of soil from stockpile by trucks, some excavation, setup and start of M.B.I. drilling

Quantities of Materials Imported/Exported:
5 truck loads
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on Site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the northern portion of the site.
The downwind station was located in the southern portion of the site, south of the excavation area.
No excursions

ROUX ASSOCIATES, INC. / REMEDIAL ENGINEERING, P.C.
DAILY FIELD ACTIVITY REPORT

Client:	Equity One, Inc.
Location:	5510 - 5530 Broadway, Bronx, New York
Project Number:	NYC VCP # 14CVCP170X/1924.0006y000
Job:	Excavated Soil Loaded for Off-site Disposal / Excavation Backfill / CAMP
Field Representative:	Kevin Rogers
Date:	9/19/2014
Weather:	50-65 F, Clear then partly cloudy

Roux Personnel on Site:
Kevin Rogers

Other Personnel on Site:
Red Hook Construction Group
Excavators - 3 personnel; Foreman; M.B.I. - 4 personnel; 2 Vibration monitoring personnel

Major Equipment on Site:
Excavator, trucks, M.B.I. backhoe and drilling equipment

Description of Work Performed by Subcontractors:
Loading and carting out of soil from stockpile by trucks, some excavation along eastern portion of lot, M.B.I. drilling for building pilings

Quantities of Materials Imported/Exported:
4 truck loads
The excavation remains open in preparation for construction.

Status of Stockpiles:
Stockpile remains on Site.

Citizen Complaints:
None

Summary of CAMP Excursions:
CAMP was set up at 7:30 AM. The upwind station was located in the northern portion of the site.
The downwind station was located in the southern portion of the site, south of the excavation area.
No excursions

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/22/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Facility # Sky Materials Corp. Calverton, NY soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	8	480
Total	8	480

<u>Site Map</u>

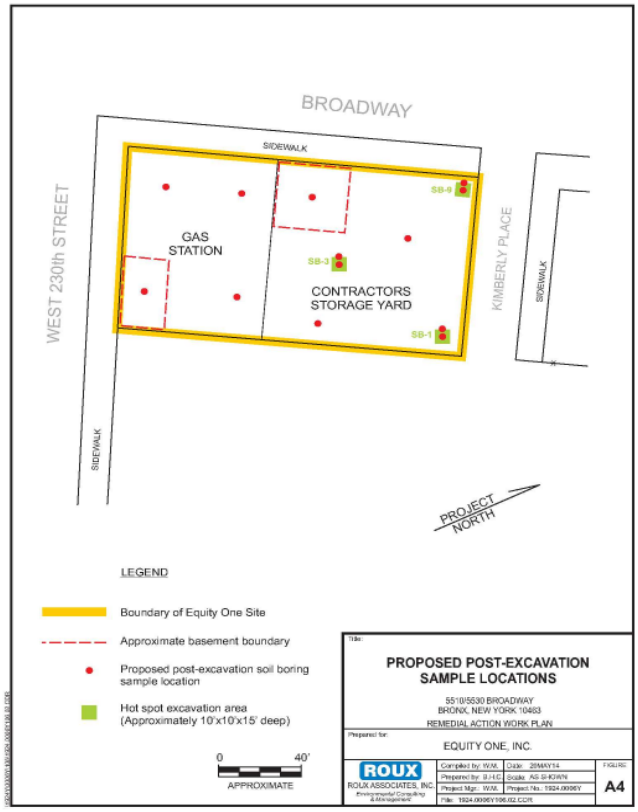


Photo Log

Photo 1 – Stockpile load out	
Photo 2 – CAMP Setup	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/23/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Sky Materials Corp. Calverton, NY soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	8	480
Total	16	960

<u>Site Map</u>

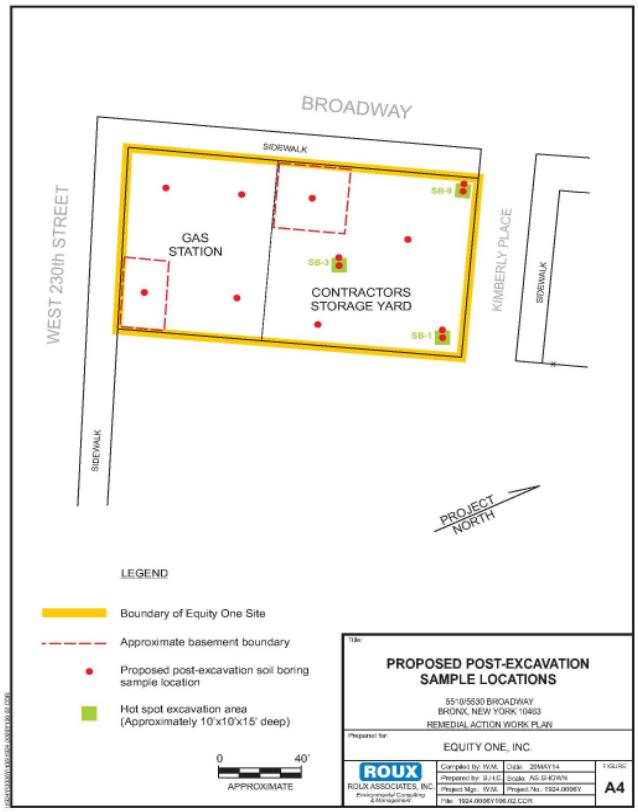
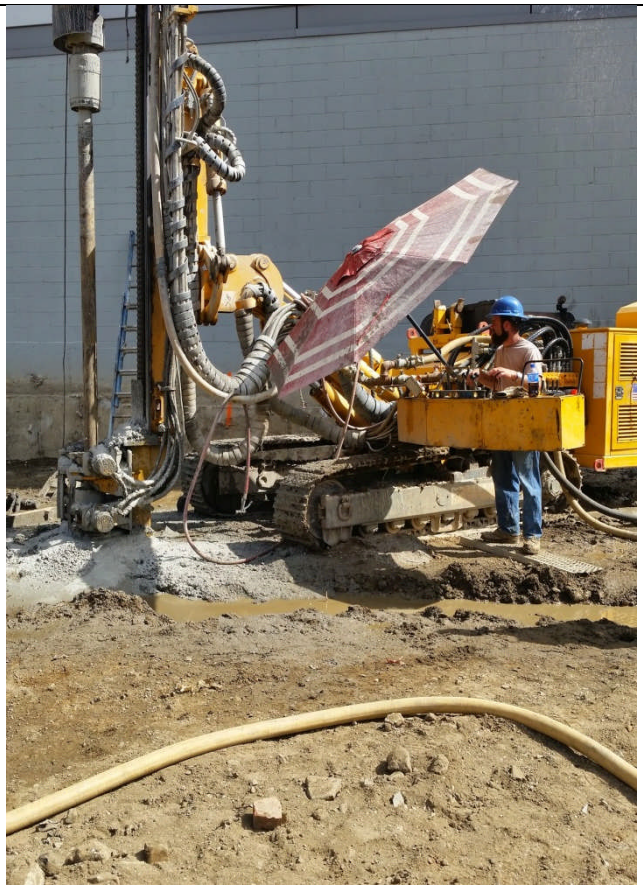


Photo Log

Photo 1 – Pile Installation	
Photo 2 – Pile Installation	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/24/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Sky Materials Corp. Calverton, NY soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	23	1150
Total	39	2110

<u>Site Map</u>

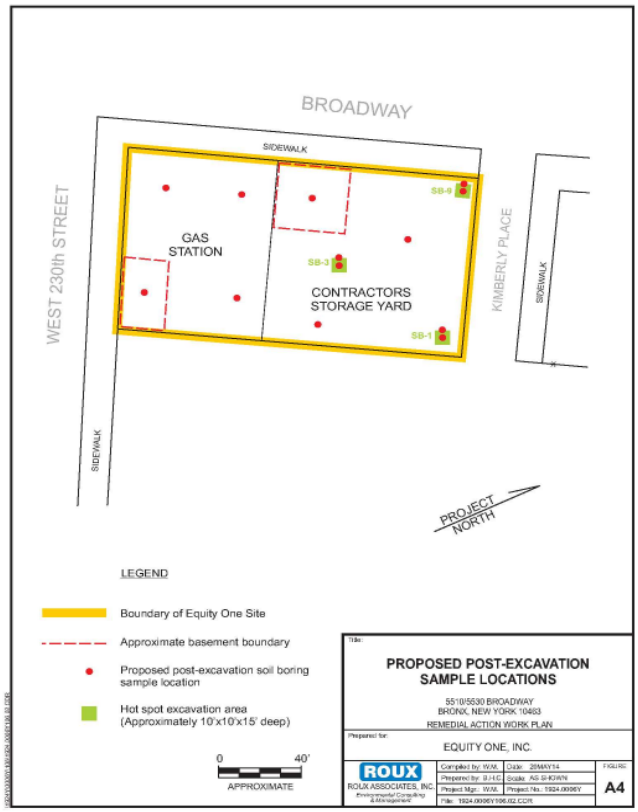
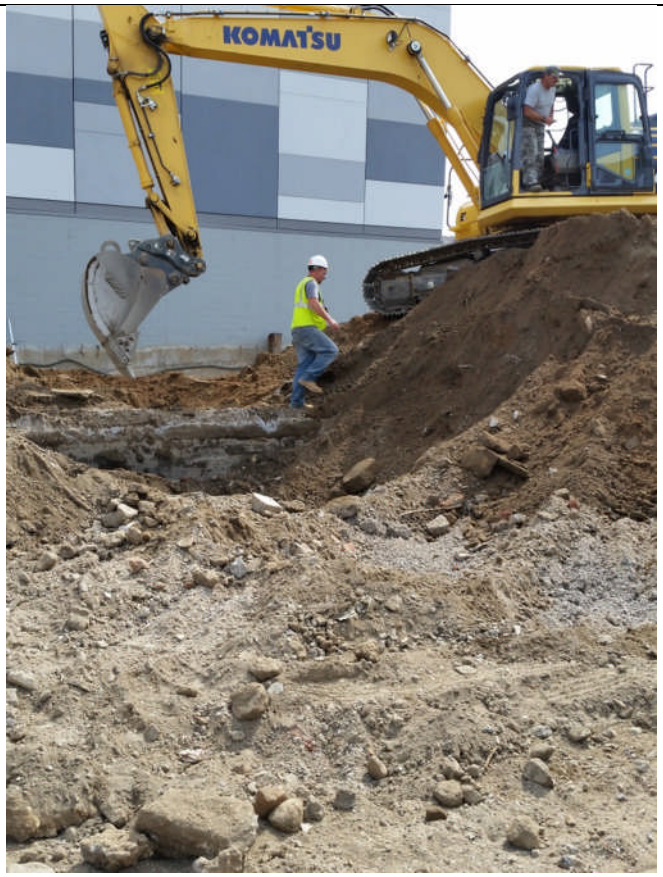


Photo Log

Photo 1 – Soil load out	
Photo 2 – Soil Stockpile	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/25/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings. CAMP shut down at 1300 hrs due to inclement weather.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Sky Materials Corp. Calverton, NY soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	4	240
Total	43	2350

<u>Site Map</u>

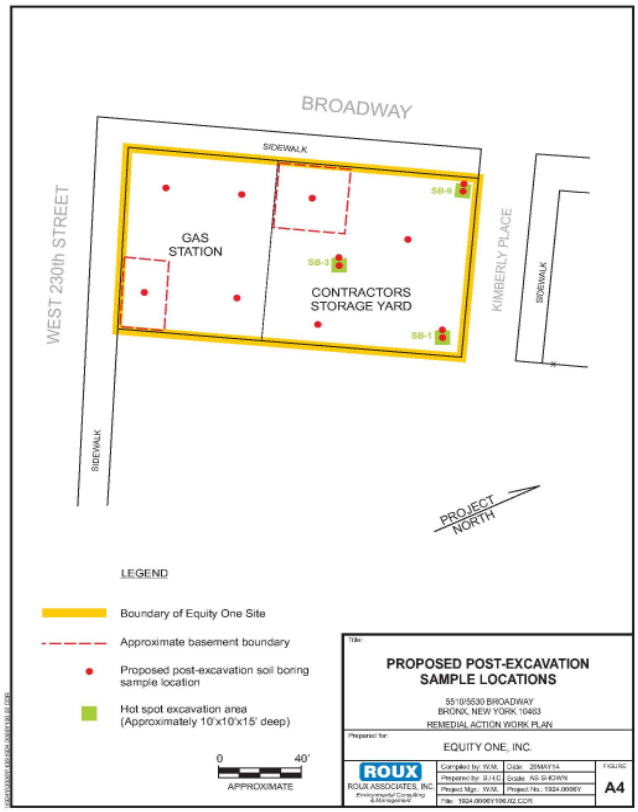


Photo Log

Photo 1 –	No photos due to rain
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/26/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Sky Materials Corp. Calverton, NY soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	4	240
Total	47	2830

<u>Site Map</u>

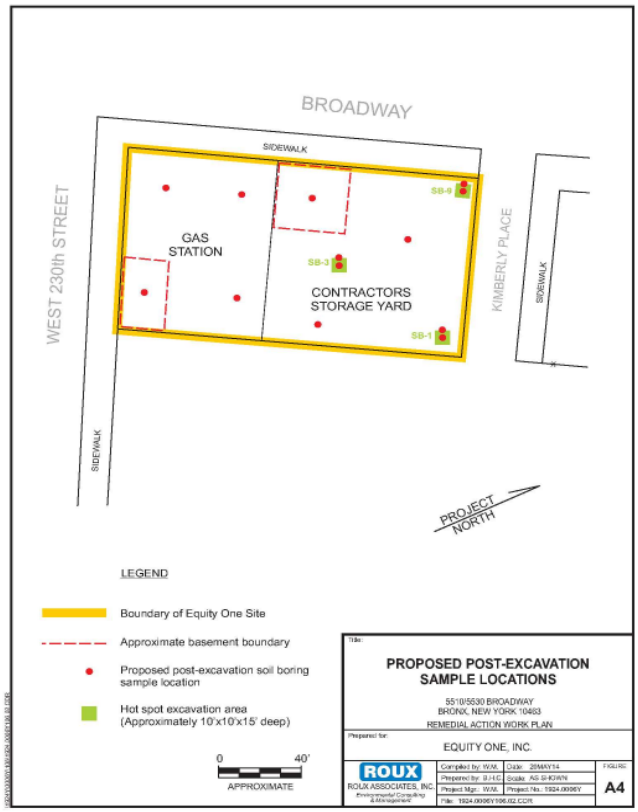


Photo Log

Photo 1 – View of Site to Southeast	
Photo 2 – Northwest wall of Site	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/27/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Facility # Sky Materials Corp. Calverton, NY soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	2	120
Total	49	2950

<u>Site Map</u>

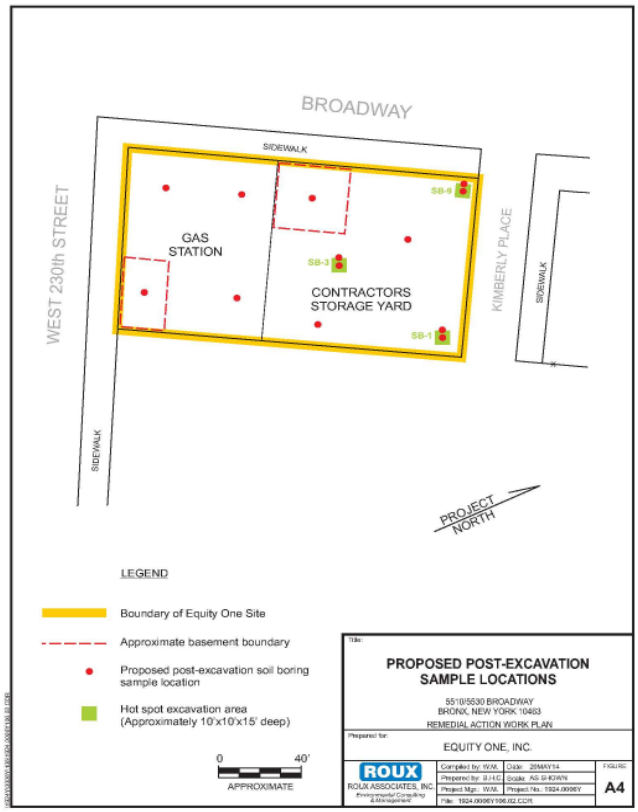
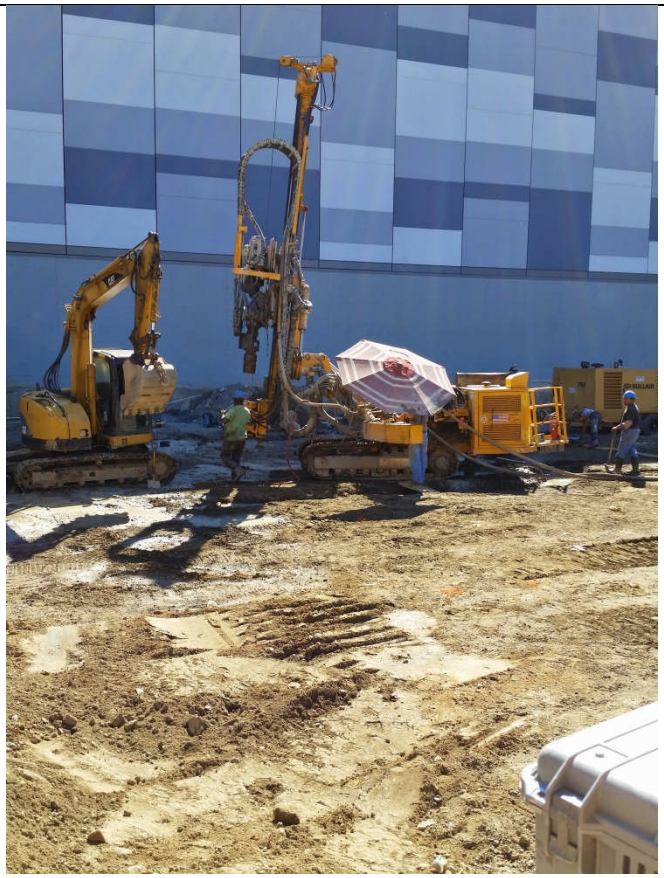


Photo Log

Photo 1 – View of Site looking North	
Photo 2 – Pile Installation	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/29/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company- Opal Contracting).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	7	420
Total	96	3930

<u>Site Map</u>

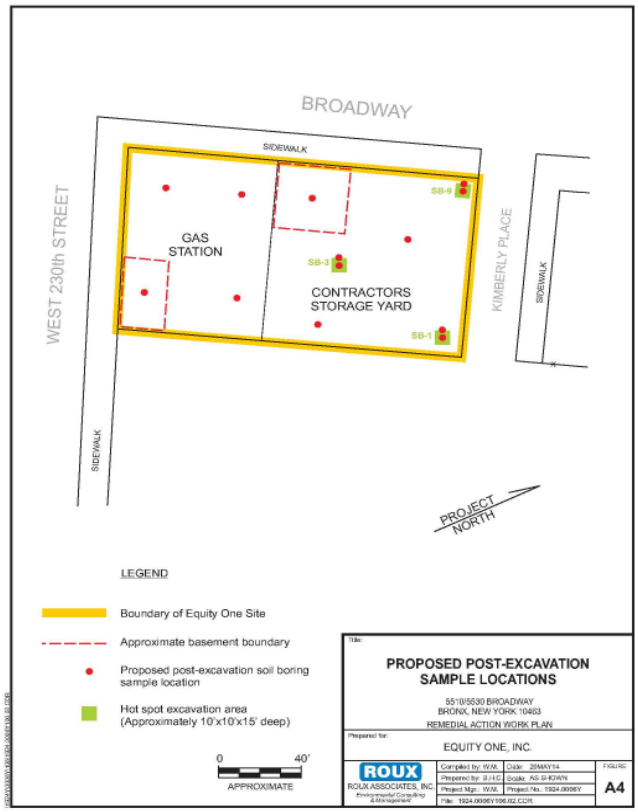


Photo Log

Photo 1 – View of Site looking Northwest	
Photo 2 – View of Site looking north along southeastern boundary	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	09/30/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company- Opal Contracting).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	6	360
Total	102	4290

<u>Site Map</u>

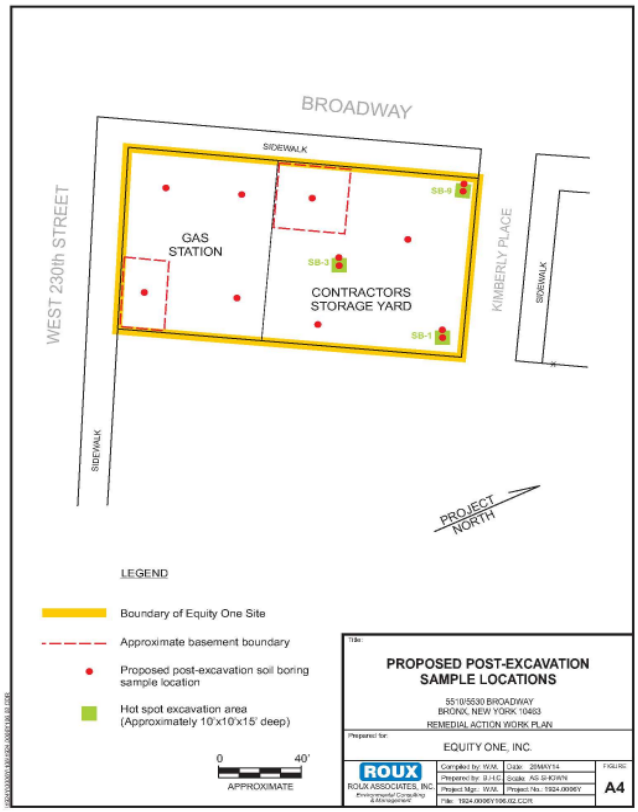
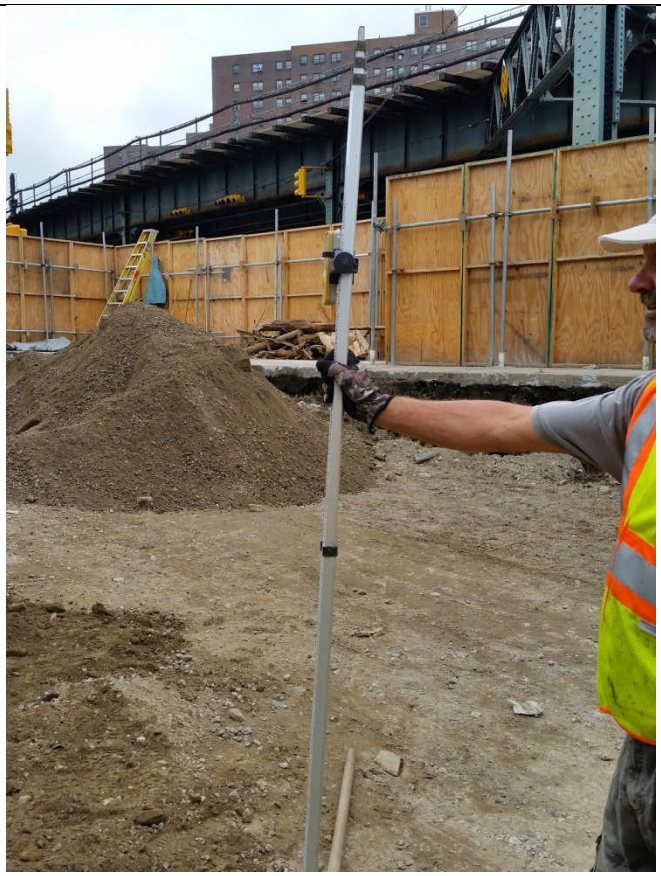
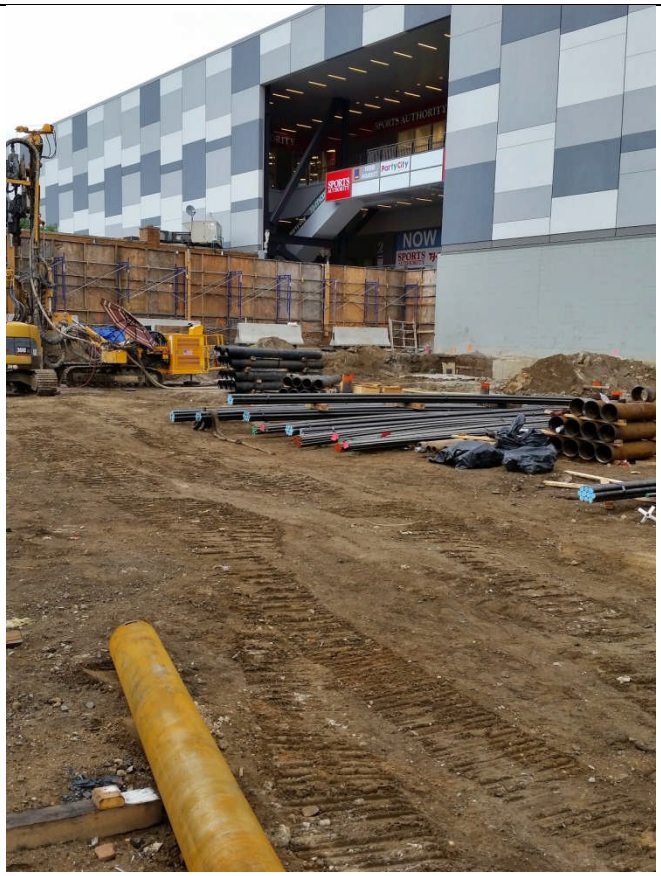


Photo Log

Photo 1 – View of Site looking Southeast	
Photo 2 – View of Site looking Northwest	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/01/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company- Opal Contracting).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
During excavation on the southern end of the Site, (2) 550 gallon tanks were unearthed (Photo1). OER notified. Excavation activities in this area halted to address tanks. Soil will be field screened with a photoionization detector and soil samples will be collected tomorrow.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	7	420
Total	109	4710

<u>Site Map</u>

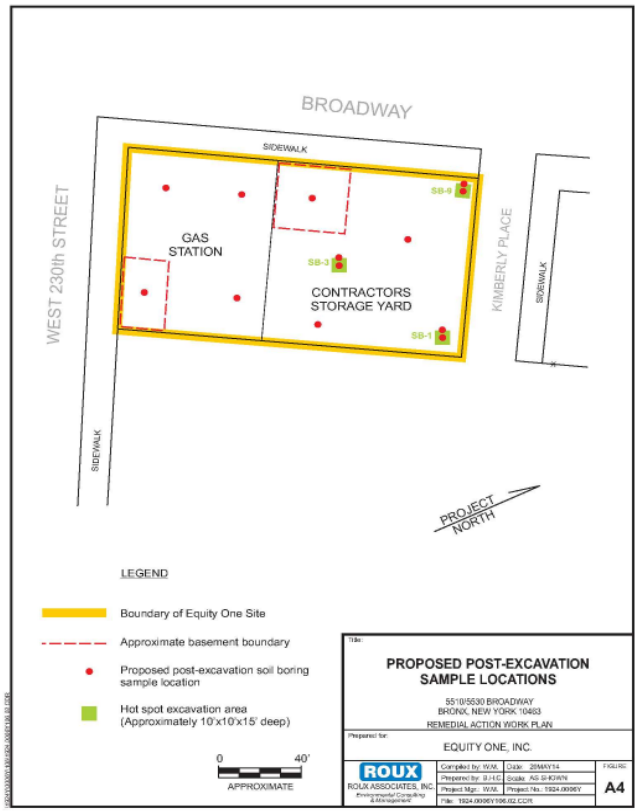


Photo Log

Photo 1 – View of Site looking North, Pile installation	
Photo 2 – Two 550 gallon tanks discovered during excavation, southern side of Site.	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/02/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation of soil and concrete from the eastern end of stockpile, soil and concrete distributed to various Trucks and transported away (conducted by excavation Company- Opal Contracting).
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Soil near tanks screened and soil samples collected. Potentially impacted soil immediately adjacent to tanks was stockpiled on sheeting and covered (approximately 1-2 CY). Awaiting analysis for disposal. One tank contained approximately 20 inches of water, the other tank contained 1-2 inches of water. Vac truck onsite to remove all liquids from tanks. Disposal contractor to return to Site early next week to clean and dispose of tanks. Temporarily staged at southern side of the Site.

Working In Grid #: NA

Samples Collected (Since Last Report):
A total of five soil samples were collected from the four respective sidewalls and one from the bottom of the tank excavation. All samples were submitted for analysis of volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Continue soil movement, pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	3	180
Total	112	4890

<u>Site Map</u>

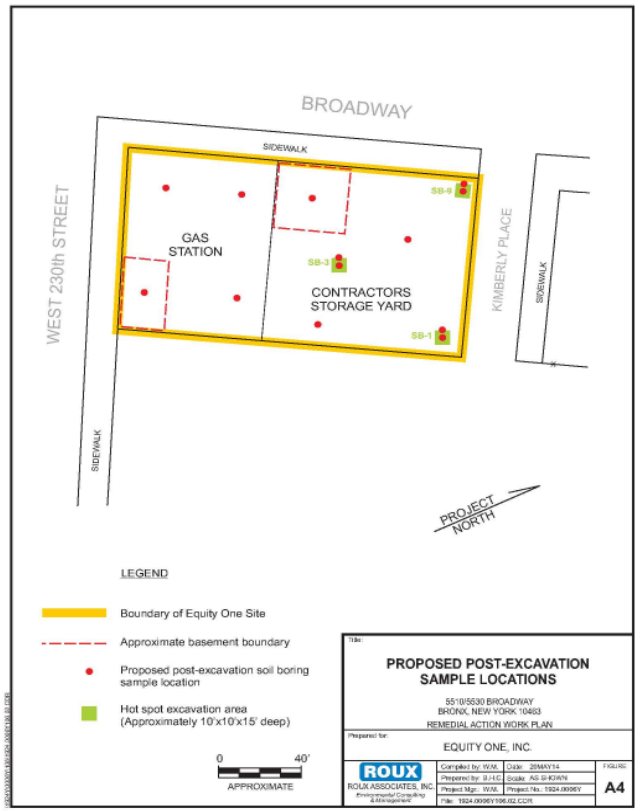


Photo Log

Photo 1 – Tank pump out	
Photo 2 – Sitewide looking northeast	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/03/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today.
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

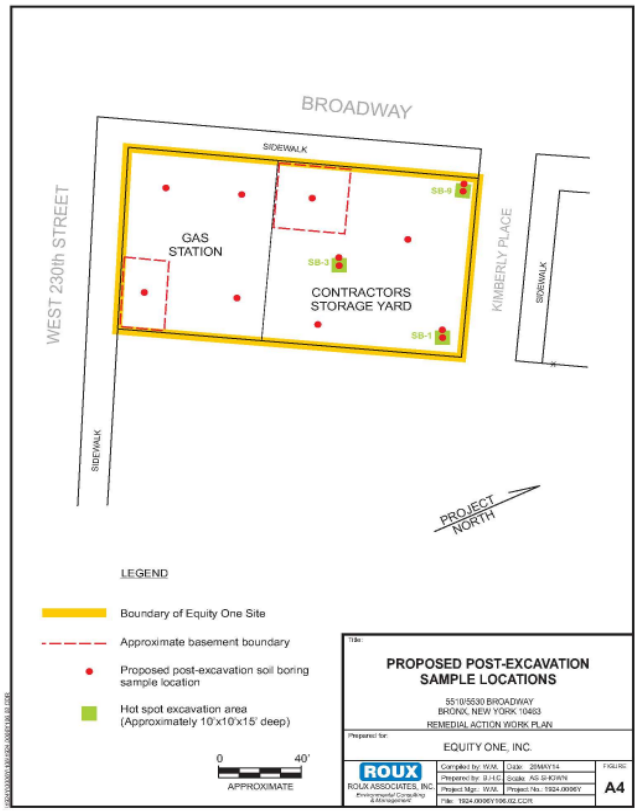


Photo Log

Photo 1 – Pile Installation southwest side of Site	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/06/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today.
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.
Tanks staged for cleaning and removal tomorrow.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

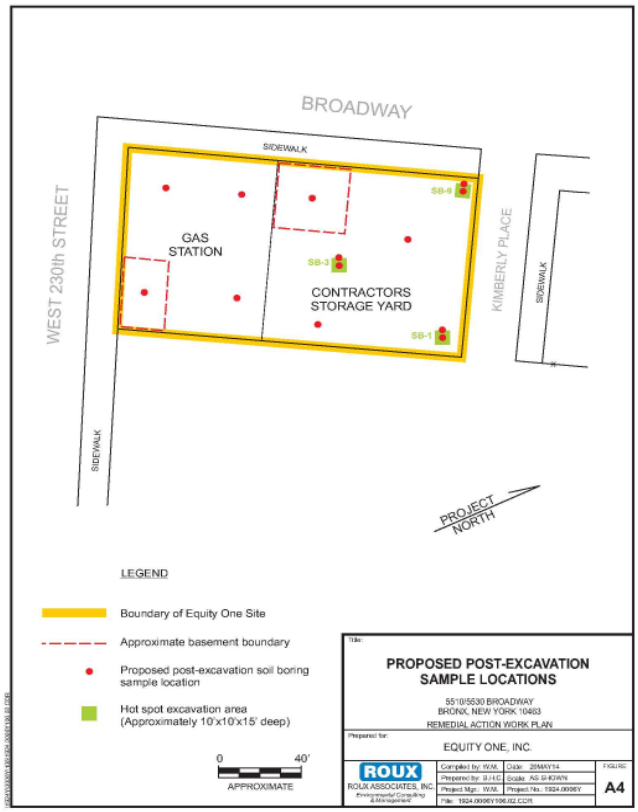


Photo Log

Photo 1 – Tanks Staged for removal	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/07/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today.
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.
Metro Environmental onsite cleaning, dismantling, and removal of USTs.

Working In Grid #: NA

Samples Collected (Since Last Report):
Roux Associates collected post excavation samples as required in the OER-approved RAWP for the Site.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

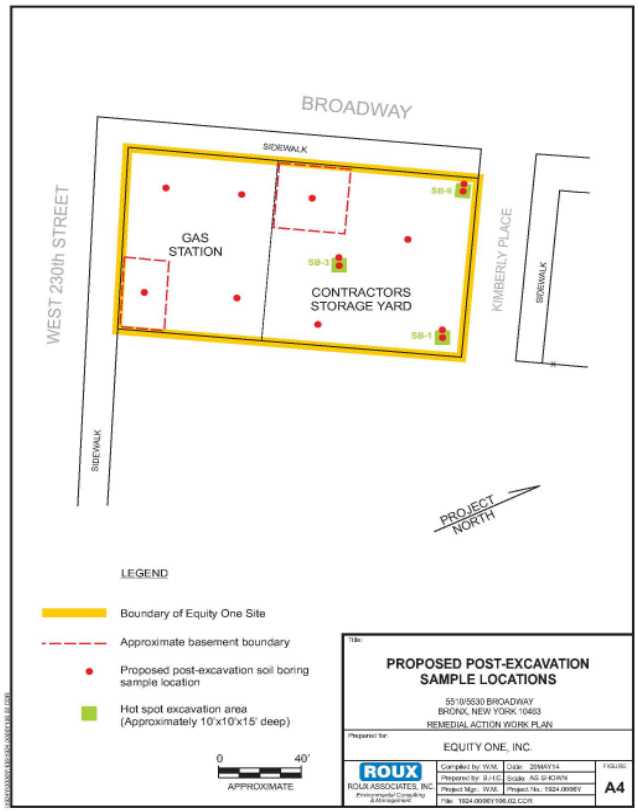
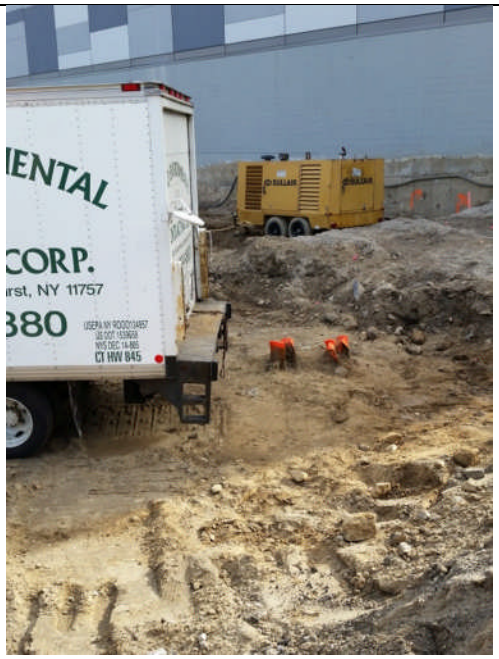


Photo Log

Photo 1 – Tanks opened and cleaned for removal	
Photo 2 – Tank dismantling complete	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/08/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today.
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

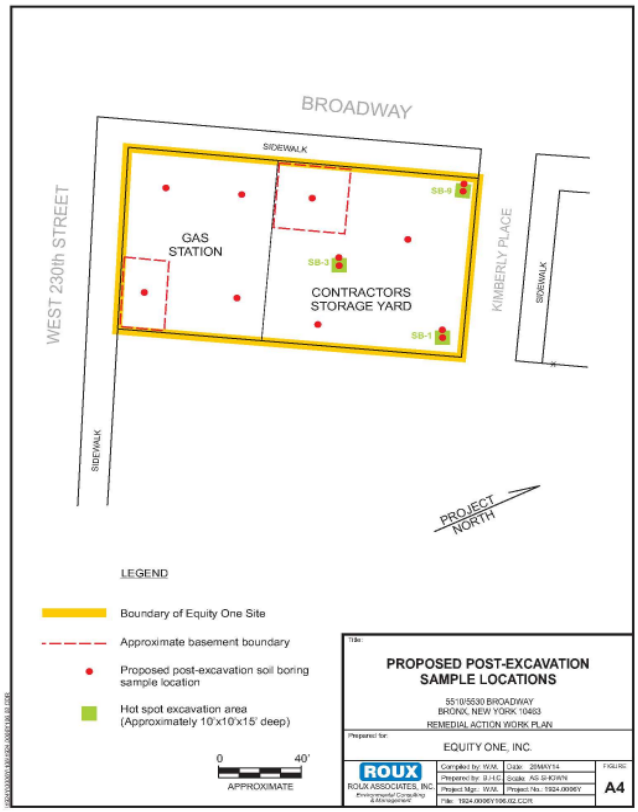


Photo Log

Photo 1 – View of Site looking southeast	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/09/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today.
Drilling of pile foundations into the ground. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

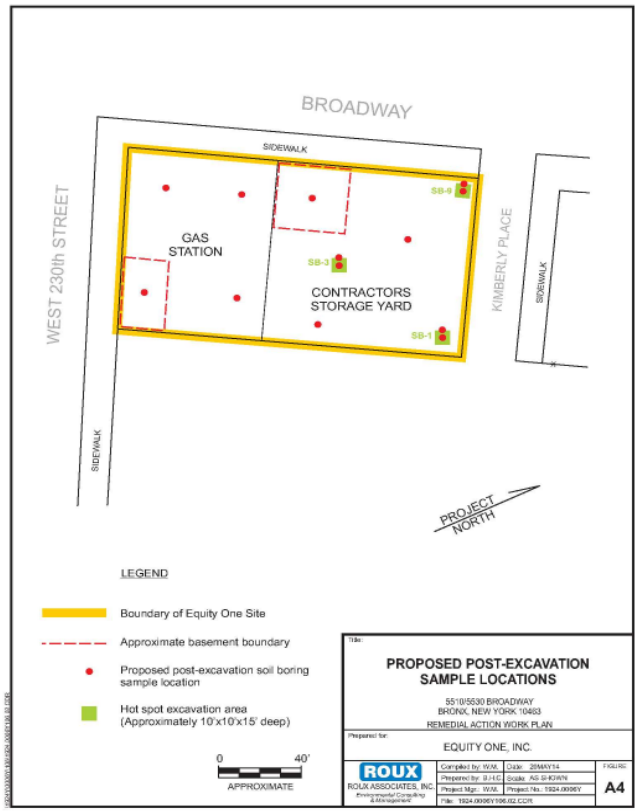


Photo Log

Photo 1 – Pile Installation	
Photo 2 – View of Site looking South	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/10/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today. (Opal present)
Pile Grouting/Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

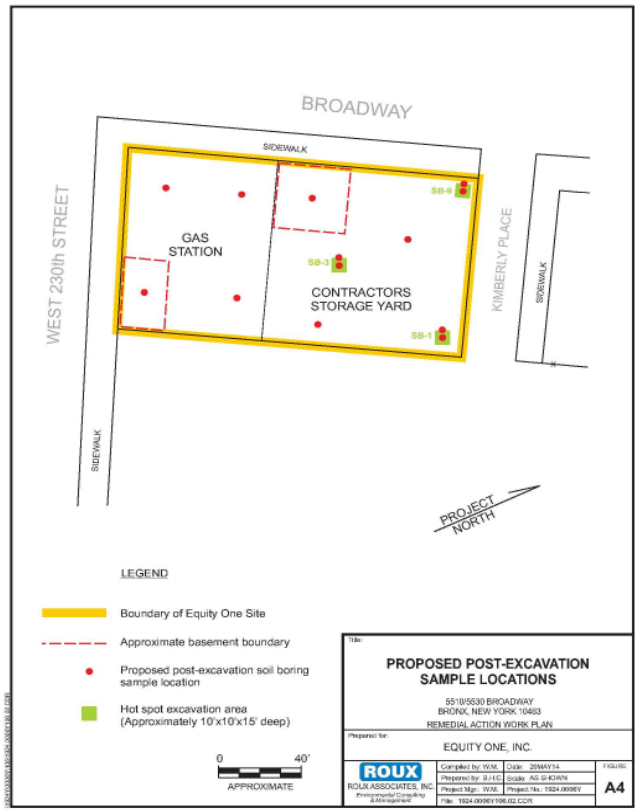


Photo Log

Photo 1 –	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/13/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Excavation activities resumed today. (Opal present)
Pile Grouting/Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

During excavation on the southern half of the Site, another UST was unearthed. Metro Environmental pumped out liquids and will return tomorrow to remove sludge, clean and dismantle tank for disposal.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Cleanout and dismantling of UST for disposal. Soil screening around tank and collection of post excavation samples.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

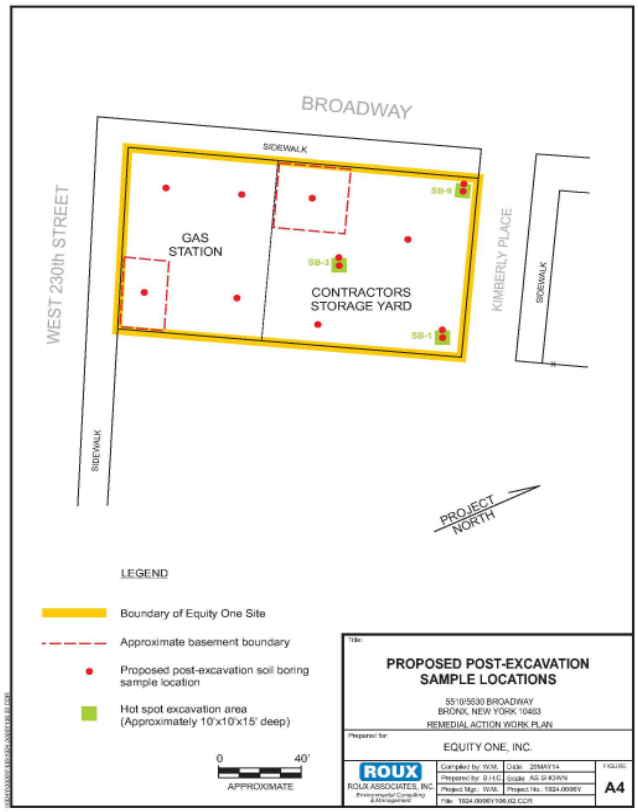


Photo Log

Photo 1 – View of Site looking Northeast	
Photo 2 – Top of unearthed UST	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/14/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today. (Opal not present)
Pile Grouting/Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Metro Environmental onsite to remove sludge from UST, clean and dismantle tank for disposal. 8 drums of sludge remain onsite awaiting characterization for disposal.

Working In Grid #: NA

Samples Collected (Since Last Report):
Sludge sample collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

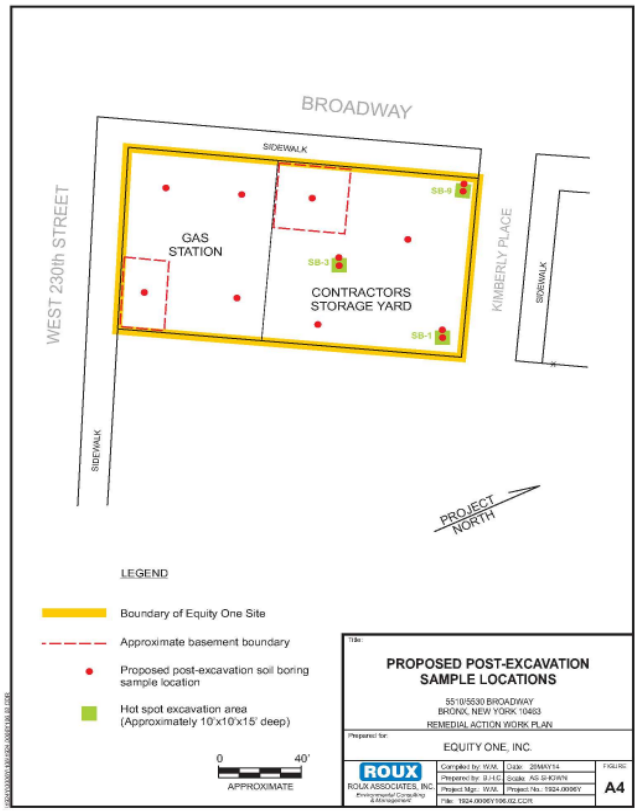


Photo Log

Photo 1 – Excavation of soil surrounding UST	
Photo 2 – interior of UST	

Photo 3 – Staging of sludge for disposal	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70		70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/15/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
No excavation today. (Opal not present)
Pile Grouting/Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

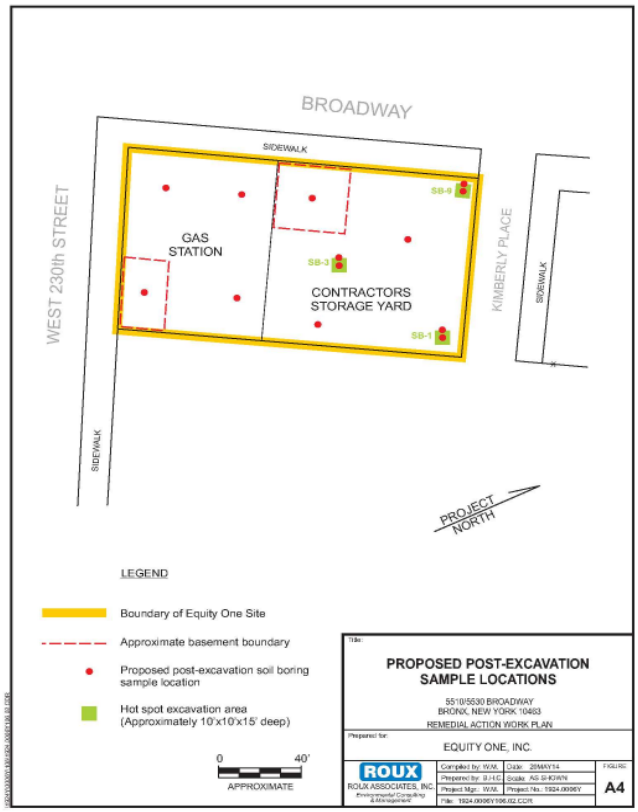


Photo Log

Photo 1 – I-Beam at former tank location	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/16/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Grouting/Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

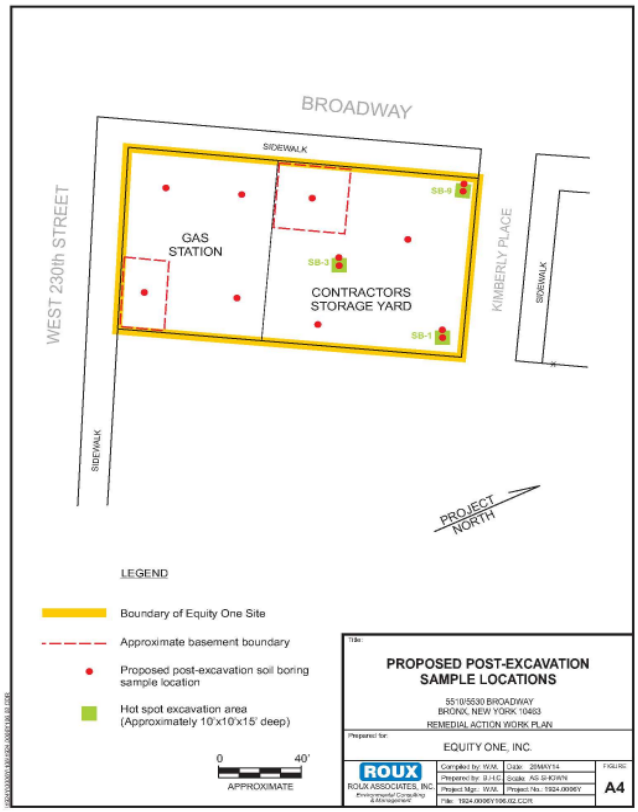
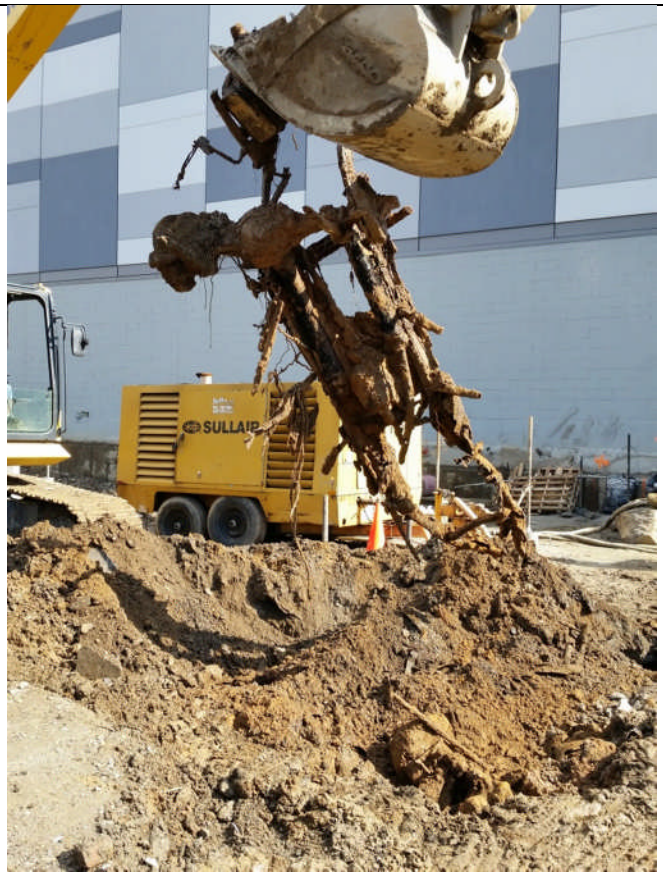


Photo Log

Photo 1 – vehicle frame unearthed during pile installations	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/17/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal on Site.
Pile Grouting/Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Metro Environmental on Site to vac standing water from excavation to facilitate excavation of impacted soil from former tank area. Former tank area soil excavated. Impacted soil stockpiled on poly sheeting awaiting waste characterization for disposal.

Working In Grid #: NA

Samples Collected (Since Last Report):
Post excavation samples collected. Waste characterization samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

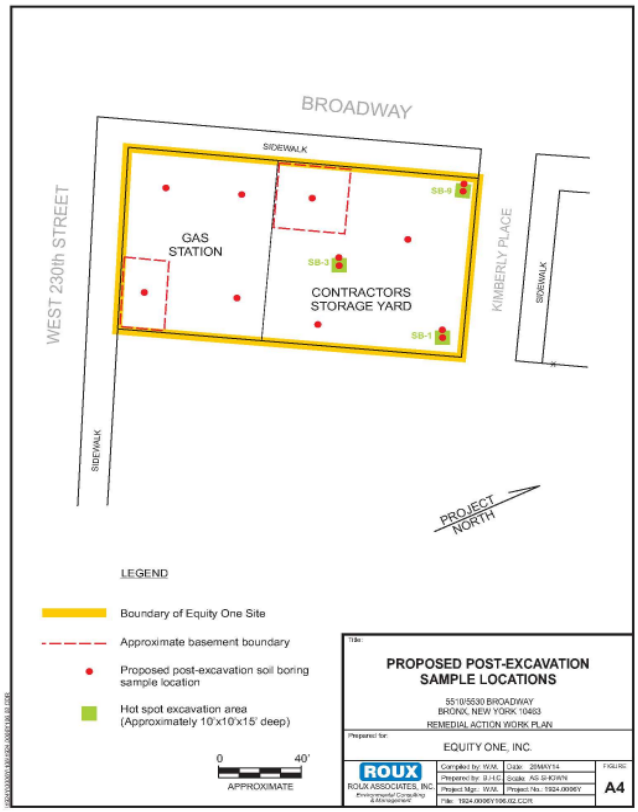
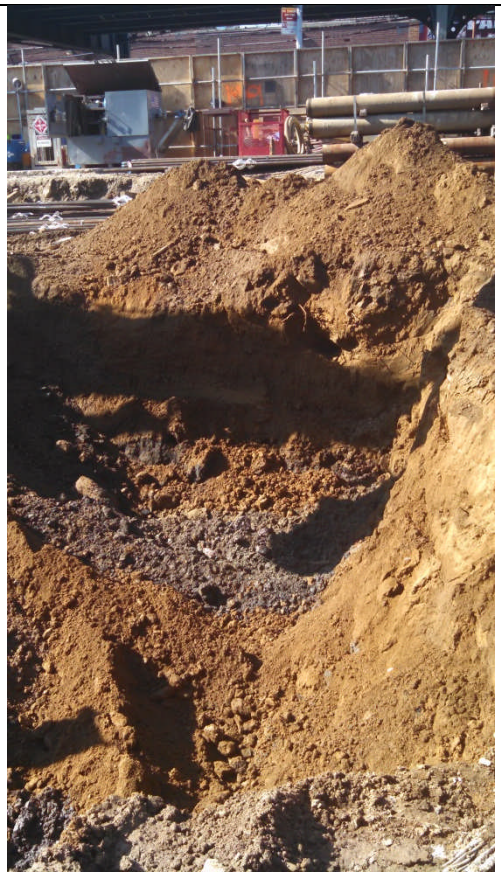


Photo Log

Photo 1 – UST excavation	
Photo 2 – UST excavation soil pile	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/20/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Working In Grid #: NA

Samples Collected (Since Last Report):
Additional waste characterization samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

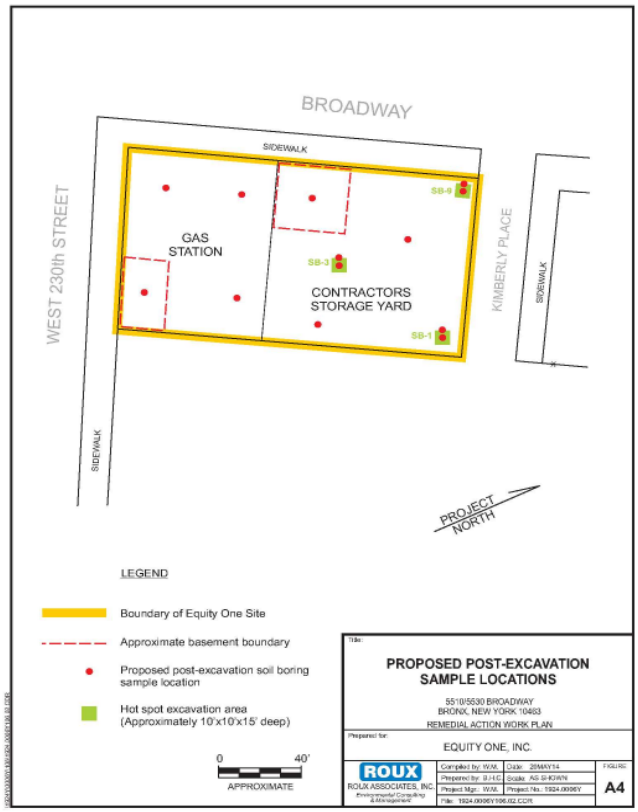


Photo Log

Photo 1 – Tank excavation hole	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/21/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Equity One Inc.	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Tank grave post-excavation samples received; all results below Part 375 restricted commercial standards. OER approved activities to date and granted permission to backfill the tank grave. Area prepped for backfilling tomorrow.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

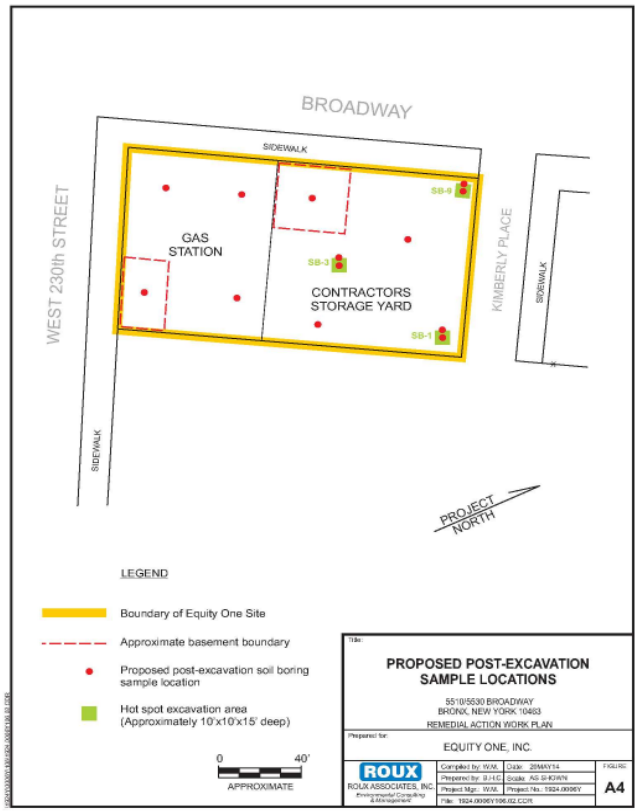


Photo Log

Photo 1 – Tank grave area prepped for backfilling	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/22/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring stopped due to weather, machines calibrated with no adverse readings.

Work stopped due to inclement weather conditions. Metro Green delivered 3 truckloads of RCA for restoration of tank grave area.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
No Air monitoring performed, heavy rain, and no work.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	112	4890

<u>Site Map</u>

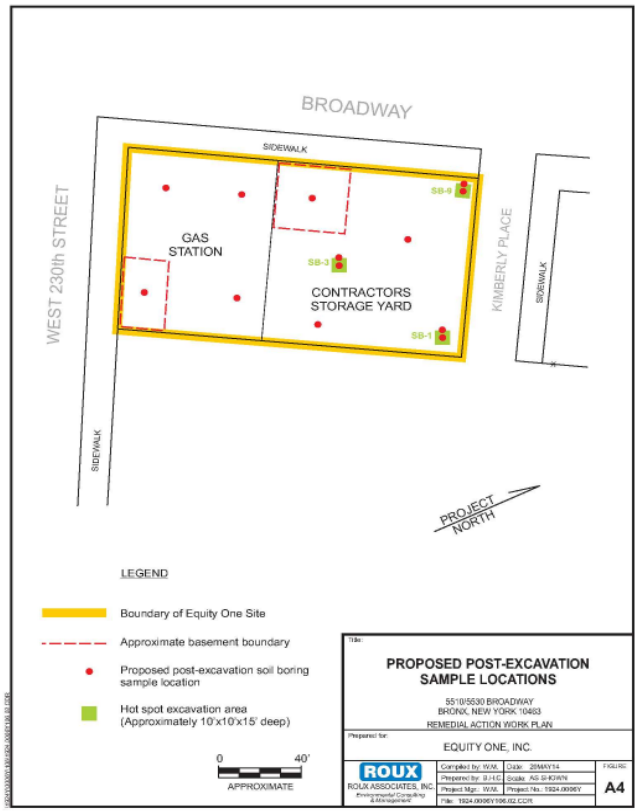
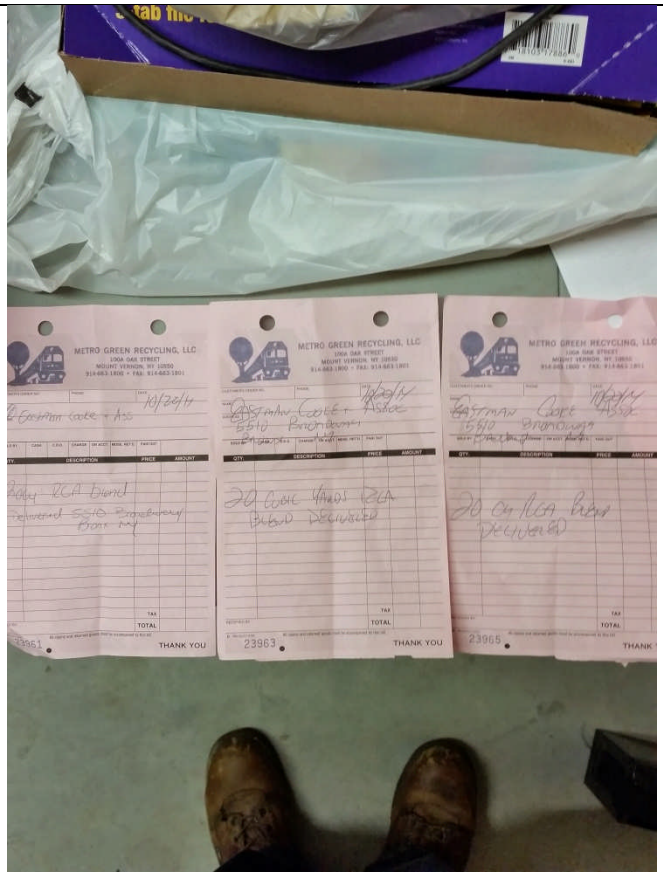


Photo Log

Photo 1 – RCA drop off tickets	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/23/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring stopped due to weather, machines calibrated with no adverse readings.

2 truckloads totaling approximately 40 CY of impacted soil from the tank grave area removed and transported under manifest to Clean Earth of New Jersey. Soil still remains in stockpile for transport to Clean Earth.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring stopped due to inclement weather.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # Name/ Location Type of Waste Solid <u>Or</u> Liquid	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	2	40
Total	114	4930

<u>Site Map</u>

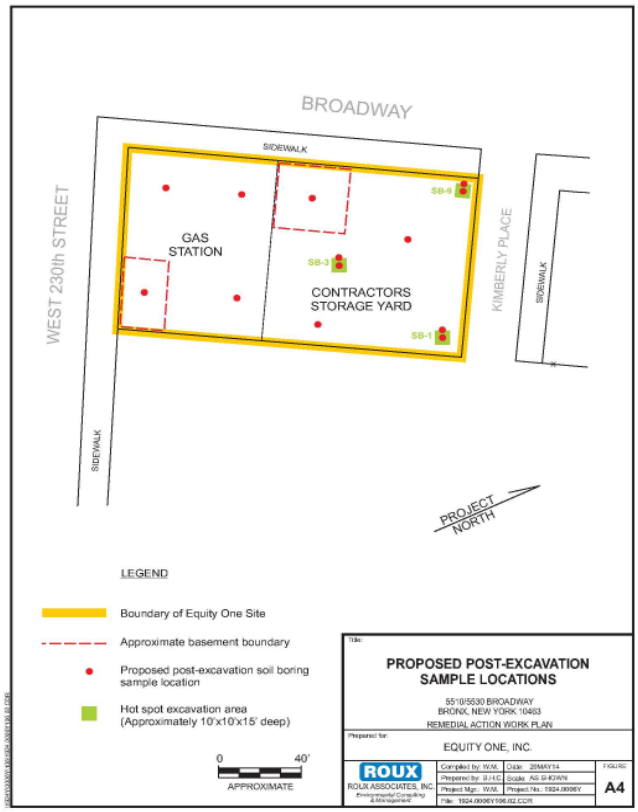


Photo Log

Photo 1 – remaining impacted soil pile	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/24/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

RCA placed in former tank grave area.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

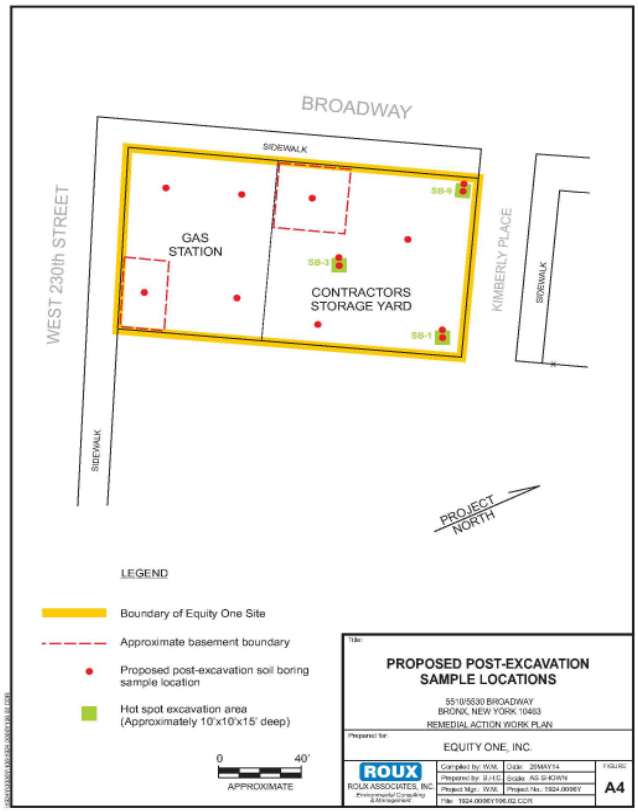


Photo Log

Photo 1 –	No Photo Today
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/25/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

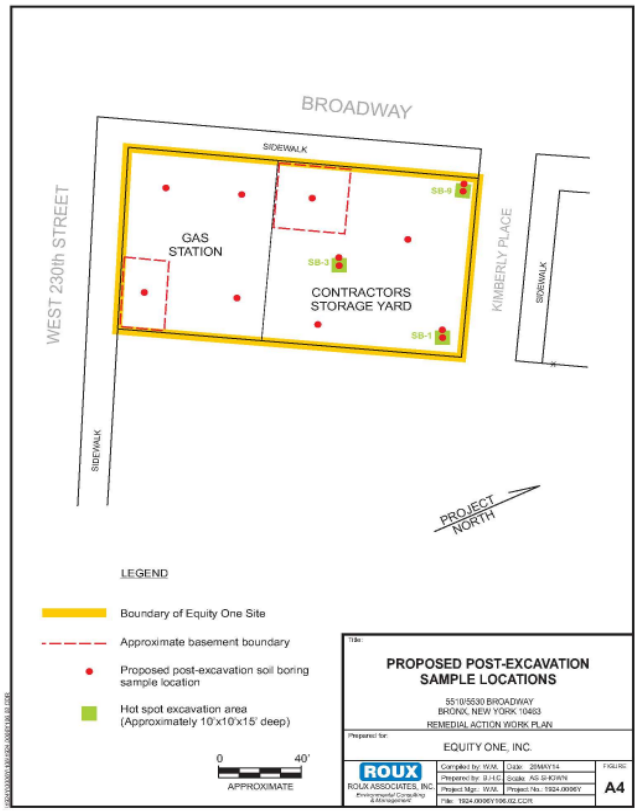


Photo Log

Photo 1 – Looking South	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/27/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Opal present. Nova Construction onsite to deliver rebar for foundation construction which they will oversee.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

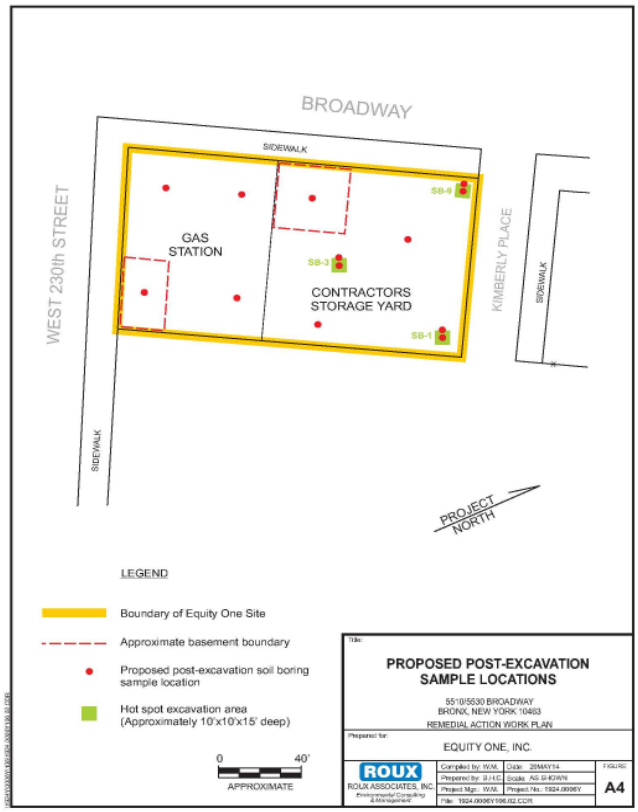


Photo Log

Photo 1 – Looking East	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	**X**	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/28/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction onsite installing rebar for foundation.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Transit Engineer onsite overseeing drilling near the train trestle.
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

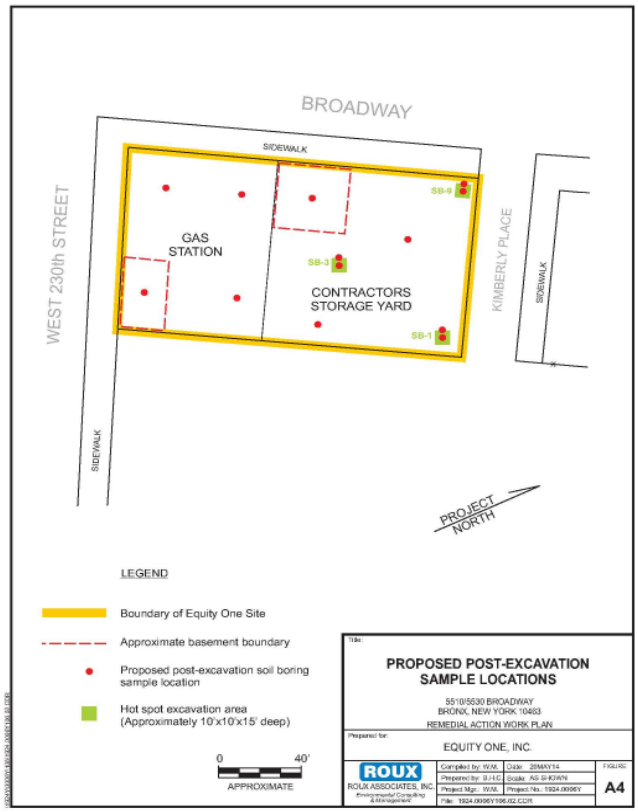


Photo Log

Photo 1 – Rebar/Foundation Installation	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/29/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction onsite installing rebar for foundation.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Transit Engineer onsite overseeing drilling near the train trestle.
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

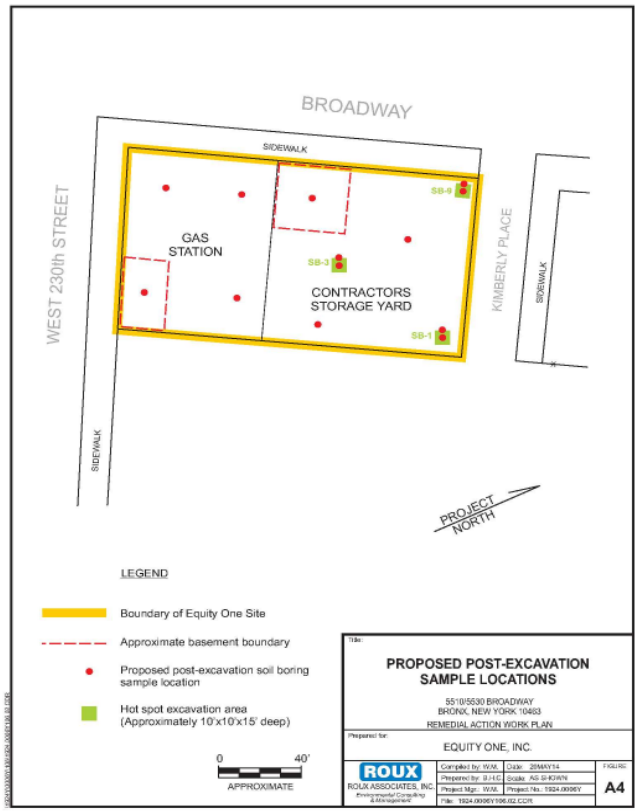


Photo Log

Photo 1 – Rebar Installation northwest corner	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/30/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction onsite installing rebar for foundation.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Transit Engineer onsite overseeing drilling near the train trestle.
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

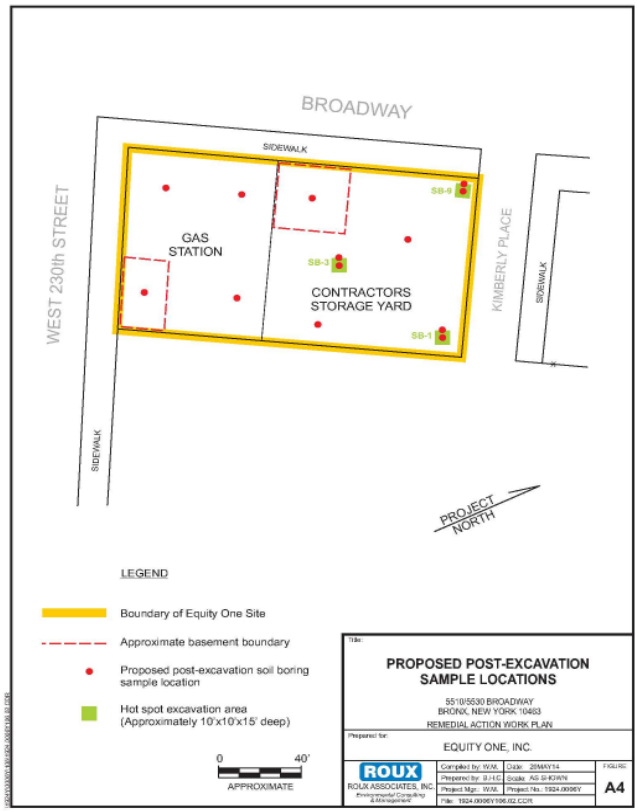
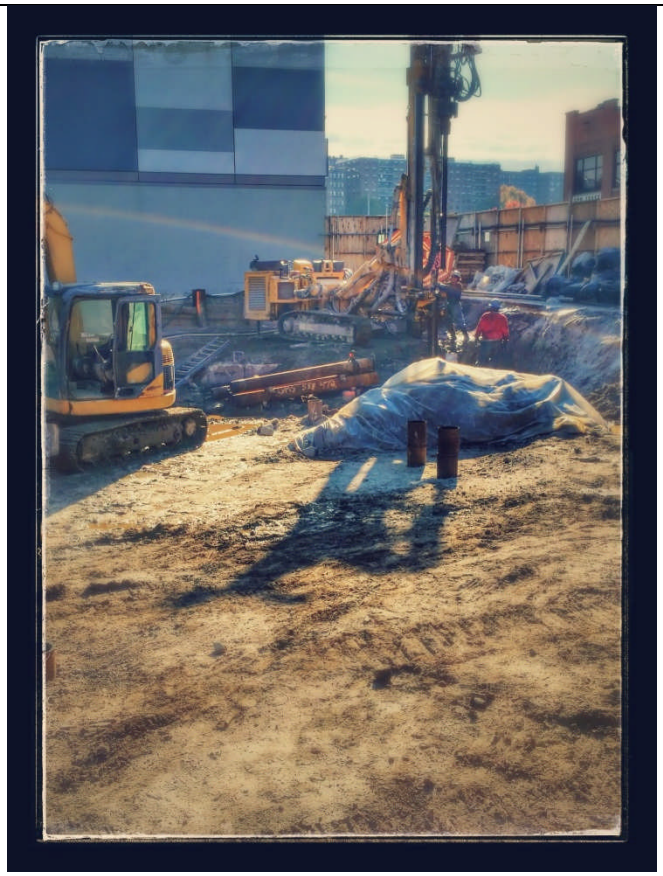


Photo Log

Photo 1 – Pile Installation Southeast corner	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	10/31/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction onsite installing rebar for foundation.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

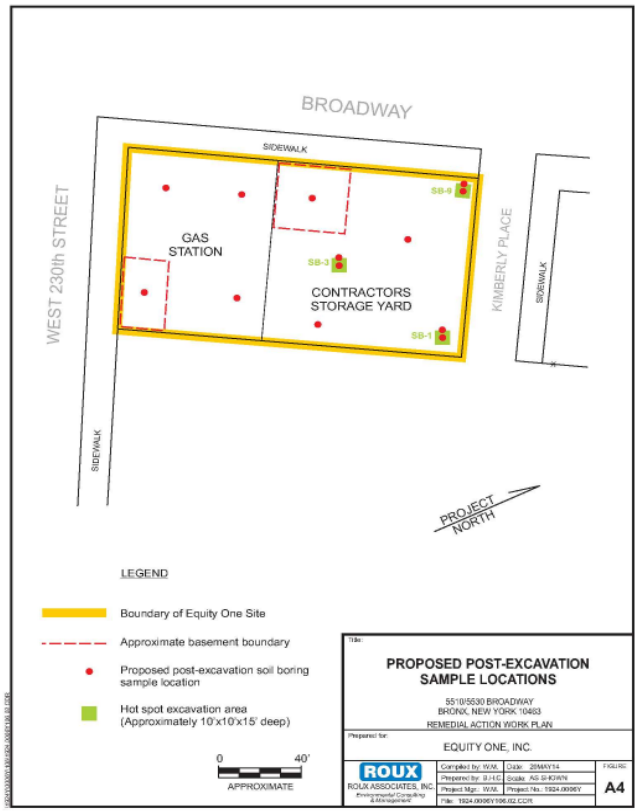


Photo Log

Photo 1 – Rebar Installation western boundary	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	11/01/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction not present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
No Camp monitoring conducted due to inclement weather.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
No Air monitoring performed due to inclement weather.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

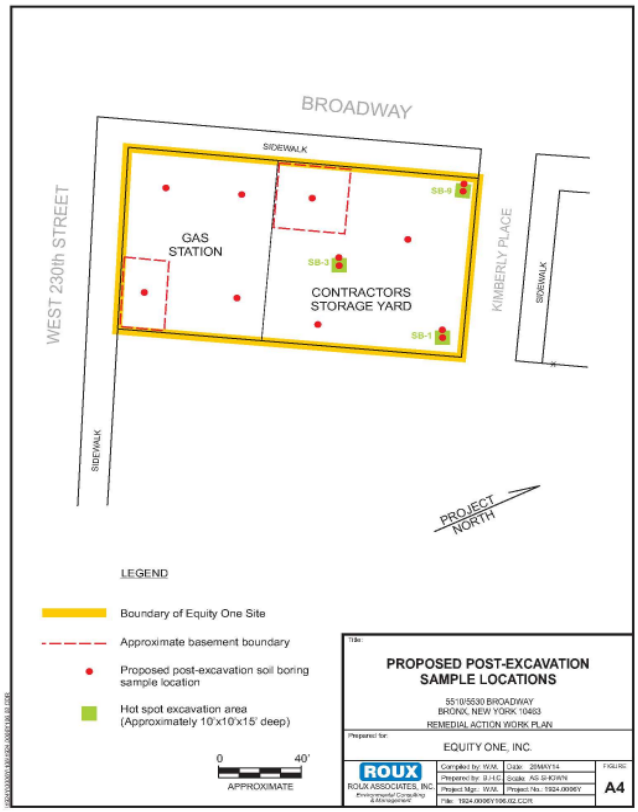


Photo Log

Photo 1 –	No photos today
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	11/03/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Opal Construction onsite.
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

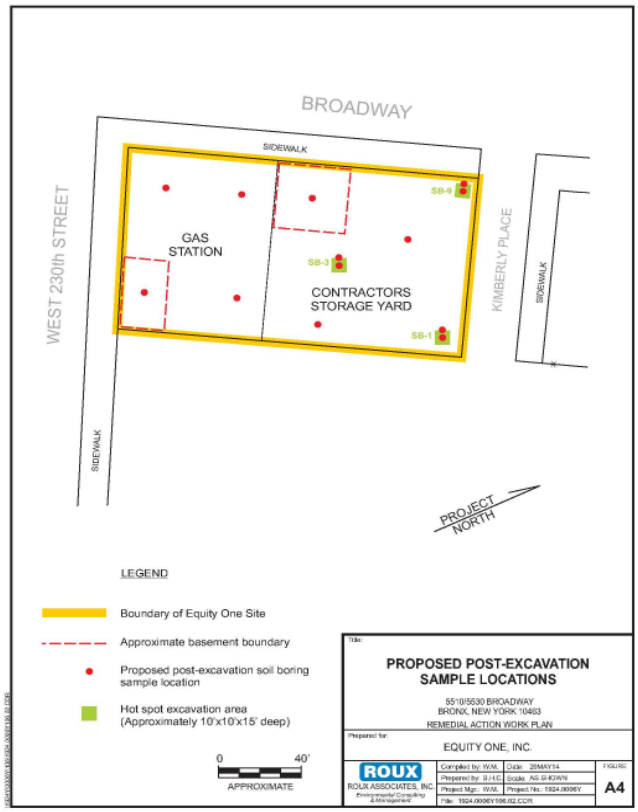


Photo Log

Photo 1 – Southeast corner	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	11/04/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction present.
Opal Construction onsite.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

No trucking today.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Soil load out of the remaining impacted soil from the UST removal.
Pile installation, foundation installation, and CAMP monitoring.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Sky Materials/Metro Green soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	0	0
Total	114	4930

<u>Site Map</u>

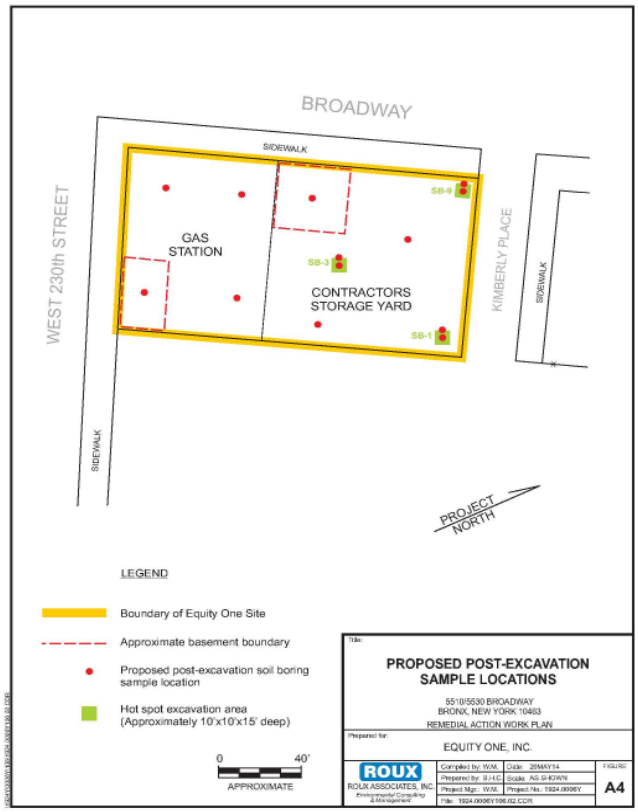


Photo Log

Photo 1 – Northwest corner – rebar installations	
Photo 2 –	

DAILY STATUS REPORT

Prepared By: Roy Thomas

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

VCP Project No.:	14CVCP170X/1924.0008y000	E-Number Project No.	14EHAZ324X	Date:	11/05/2014
Project Name:	5520 Broadway, Bronx, NY				

Consultant: Roux Associates, Inc.	Safety Officer: Art Schumann/Eastman Cooke
General Contractor: Eastman Cooke	Site Manager/ Supervisor: Art Schumann/Eastman Cooke

Work Activities Performed (Since Last Report):
Nova Construction no present.
Pile Installation continues. (Conducted by M.B.I. Construction Co.).
Camp monitoring conducted, machines calibrated with no adverse readings.

Five trucks (20 CY loads each) of impacted soil from the UST grave excavation were sent to Clean Earth of Carteret. All impacted soil is offsite. No further soil movement is planned for the project. This is the final day of continuous CAMP monitoring.

Working In Grid #: NA

Samples Collected (Since Last Report):
No samples collected.

Air Monitoring (Since Last Report):
Air monitoring performed, no adverse readings.

Problems Encountered:
No problems encountered.

Planned Activities for the Next Day/ Week.
Completion of forms for pile installation; SSDS piping, utility and foundation installation.

Facility # **Name/ Location** **Type of Waste** **Solid <u>Or</u> Liquid**	Clean Earth of Carteret soil and concrete Solid	
(Trucks, Cu.Yds. <u>Or</u> Gallons)	Trucks	Cu. Yds.
Today	5	100
Total	119	5030

<u>Site Map</u>

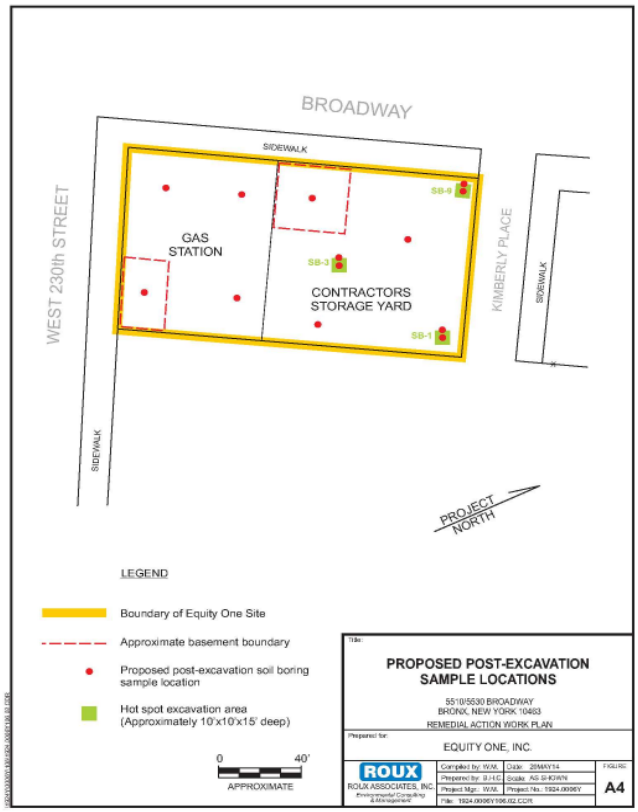


Photo Log

Photo 1 – Sitewide looking northwest rebar/pile forms	
Photo 2 – UST soil load out	

APPENDIX E

Waste Disposal Characterization
Sample Laboratory Testing Results

ANALYTICAL REPORT

Lab Number:	L1424837
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Wendy Monterosso
Phone:	(631) 232-2600
Project Name:	5520 BROADWAY
Project Number:	1924.0008Y
Report Date:	10/21/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1424837-01	SOIL	SOIL	BRONX	10/17/14 14:40	10/17/14

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 5520 BROADWAY **Lab Number:** L1424837
Project Number: 1924.0008Y **Report Date:** 10/21/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1424837-01 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics by SIM

L1424837-01 has elevated detection limits due to the dilution required by the sample matrix.

WG732314-2 and -3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

Metals

The WG732647-4 MS recovery, performed on L1424837-01, is outside the acceptance criteria for lead (70%). A post digestion spike was performed and was within acceptance criteria.

The WG732647-3 Laboratory Duplicate RPD, performed on L1424837-01, is outside the acceptance criteria for chromium (25%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 10/21/14

ORGANICS

VOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424837-01
Client ID: SOIL
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/21/14 14:23
Analyst: MM
Percent Solids: 83%
TCLP/SPLP Ext. Date: 10/20/14 12:01

Date Collected: 10/17/14 14:40
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	2.7	J	ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	1.4	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	101		70-130

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	D	Date Collected:	10/17/14 14:40
Client ID:	SOIL		Date Received:	10/17/14
Sample Location:	BRONX		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	10/20/14 17:41			
Analyst:	BN			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.72	0.096	200
1,4-Dioxane	ND		mg/kg	24	3.5	200
1,2-Dibromoethane	ND		mg/kg	0.72	0.042	200
Methylene chloride	ND		mg/kg	1.2	0.27	200
1,1-Dichloroethane	ND		mg/kg	0.36	0.021	200
Chloroform	ND		mg/kg	0.36	0.089	200
Carbon tetrachloride	ND		mg/kg	0.24	0.051	200
1,2-Dichloropropane	ND		mg/kg	0.85	0.055	200
Dibromochloromethane	ND		mg/kg	0.24	0.037	200
1,1,2-Trichloroethane	ND		mg/kg	0.36	0.074	200
Tetrachloroethene	ND		mg/kg	0.24	0.034	200
Chlorobenzene	ND		mg/kg	0.24	0.084	200
Trichlorofluoromethane	ND		mg/kg	1.2	0.094	200
1,2-Dichloroethane	ND		mg/kg	0.24	0.027	200
1,1,1-Trichloroethane	ND		mg/kg	0.24	0.027	200
Bromodichloromethane	ND		mg/kg	0.24	0.042	200
trans-1,3-Dichloropropene	ND		mg/kg	0.24	0.029	200
cis-1,3-Dichloropropene	ND		mg/kg	0.24	0.028	200
1,3-Dichloropropene, Total	ND		mg/kg	0.24	0.028	200
Bromoform	ND		mg/kg	0.97	0.057	200
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.24	0.024	200
Benzene	ND		mg/kg	0.24	0.028	200
Toluene	ND		mg/kg	0.36	0.047	200
Ethylbenzene	0.11	J	mg/kg	0.24	0.031	200
Chloromethane	ND		mg/kg	1.2	0.071	200
Bromomethane	ND		mg/kg	0.48	0.082	200
Vinyl chloride	ND		mg/kg	0.48	0.028	200
Chloroethane	ND		mg/kg	0.48	0.076	200
1,1-Dichloroethene	ND		mg/kg	0.24	0.063	200
trans-1,2-Dichloroethene	ND		mg/kg	0.36	0.051	200

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424837-01 D Date Collected: 10/17/14 14:40

Client ID: SOIL Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		mg/kg	0.24	0.030	200
1,2-Dichlorobenzene	ND		mg/kg	1.2	0.037	200
1,3-Dichlorobenzene	ND		mg/kg	1.2	0.033	200
1,4-Dichlorobenzene	ND		mg/kg	1.2	0.033	200
Methyl tert butyl ether	ND		mg/kg	0.48	0.020	200
p/m-Xylene	ND		mg/kg	0.48	0.048	200
o-Xylene	ND		mg/kg	0.48	0.042	200
Xylene (Total)	ND		mg/kg	0.48	0.042	200
cis-1,2-Dichloroethene	ND		mg/kg	0.24	0.034	200
1,2-Dichloroethene (total)	ND		mg/kg	0.24	0.034	200
Styrene	ND		mg/kg	0.48	0.097	200
Dichlorodifluoromethane	ND		mg/kg	2.4	0.046	200
Acetone	ND		mg/kg	8.7	0.25	200
Carbon disulfide	ND		mg/kg	2.4	0.27	200
2-Butanone	ND		mg/kg	2.4	0.066	200
4-Methyl-2-pentanone	ND		mg/kg	2.4	0.059	200
2-Hexanone	ND		mg/kg	2.4	0.16	200
Bromochloromethane	ND		mg/kg	1.2	0.067	200
Isopropylbenzene	1.8		mg/kg	0.24	0.025	200
1,2,3-Trichlorobenzene	ND		mg/kg	1.2	0.036	200
1,2,4-Trichlorobenzene	ND		mg/kg	1.2	0.044	200
Methyl Acetate	ND		mg/kg	0.97	0.065	200
Cyclohexane	0.10	J	mg/kg	4.8	0.035	200
Methyl cyclohexane	0.26	J	mg/kg	0.97	0.037	200
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	4.8	0.066	200

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424837-01 D Date Collected: 10/17/14 14:40

Client ID: SOIL Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	210	J	mg/kg			200
Benzene, Propyl-	8.9	NJ	mg/kg			200
Unknown Benzene	23.	J	mg/kg			200
Benzene, 1,2-diethyl-	9.0	NJ	mg/kg			200
Unknown Cycloaromatic	30.	J	mg/kg			200
Unknown Benzene	12.	J	mg/kg			200
Unknown Cycloaromatic	18.	J	mg/kg			200
Unknown Cycloaromatic	14.	J	mg/kg			200
Unknown Cycloaromatic	24.	J	mg/kg			200
Unknown Benzene	11.	J	mg/kg			200
Unknown Cycloaromatic	8.5	J	mg/kg			200
Unknown Benzene	13.	J	mg/kg			200
Unknown Cycloaromatic	9.5	J	mg/kg			200
Unknown Cycloaromatic	8.9	J	mg/kg			200
Benzene, pentamethyl-	11.	NJ	mg/kg			200
Unknown Naphthalene	10.	J	mg/kg			200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 08:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG732889-3					
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	0.00040
1,4-Dioxane	ND		mg/kg	0.10	0.014
1,2-Dibromoethane	ND		mg/kg	0.0030	0.00017
Methylene chloride	ND		mg/kg	0.0050	0.0011
1,1-Dichloroethane	ND		mg/kg	0.0015	0.00008
Chloroform	ND		mg/kg	0.0015	0.00037
Carbon tetrachloride	ND		mg/kg	0.0010	0.00021
1,2-Dichloropropane	ND		mg/kg	0.0035	0.00023
Dibromochloromethane	ND		mg/kg	0.0010	0.00015
1,1,2-Trichloroethane	ND		mg/kg	0.0015	0.00030
2-Chloroethylvinyl ether	ND		mg/kg	0.020	0.00062
Tetrachloroethene	ND		mg/kg	0.0010	0.00014
Chlorobenzene	ND		mg/kg	0.0010	0.00035
Trichlorofluoromethane	ND		mg/kg	0.0050	0.00039
1,2-Dichloroethane	ND		mg/kg	0.0010	0.00011
1,1,1-Trichloroethane	ND		mg/kg	0.0010	0.00011
Bromodichloromethane	ND		mg/kg	0.0010	0.00017
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012
cis-1,3-Dichloropropene	ND		mg/kg	0.0010	0.00012
1,3-Dichloropropene, Total	ND		mg/kg	0.0010	0.00012
1,1-Dichloropropene	ND		mg/kg	0.0050	0.00014
Bromoform	ND		mg/kg	0.0040	0.00024
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00010
Benzene	ND		mg/kg	0.0010	0.00012
Toluene	ND		mg/kg	0.0015	0.00019
Ethylbenzene	ND		mg/kg	0.0010	0.00013
Chloromethane	ND		mg/kg	0.0050	0.00029
Bromomethane	ND		mg/kg	0.0020	0.00034
Vinyl chloride	ND		mg/kg	0.0020	0.00012

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 08:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG732889-3					
Chloroethane	ND		mg/kg	0.0020	0.00032
1,1-Dichloroethene	ND		mg/kg	0.0010	0.00026
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	0.00021
Trichloroethene	ND		mg/kg	0.0010	0.00012
1,2-Dichlorobenzene	ND		mg/kg	0.0050	0.00015
1,3-Dichlorobenzene	ND		mg/kg	0.0050	0.00014
1,4-Dichlorobenzene	0.00042	J	mg/kg	0.0050	0.00014
Methyl tert butyl ether	ND		mg/kg	0.0020	0.00008
p/m-Xylene	ND		mg/kg	0.0020	0.00020
o-Xylene	ND		mg/kg	0.0020	0.00017
Xylene (Total)	ND		mg/kg	0.0020	0.00017
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	0.00014
1,2-Dichloroethene (total)	ND		mg/kg	0.0010	0.00014
Dibromomethane	ND		mg/kg	0.010	0.00016
1,4-Dichlorobutane	ND		mg/kg	0.010	0.00013
1,2,3-Trichloropropane	ND		mg/kg	0.010	0.00016
Styrene	ND		mg/kg	0.0020	0.00040
Dichlorodifluoromethane	ND		mg/kg	0.010	0.00019
Acetone	ND		mg/kg	0.036	0.0010
Carbon disulfide	ND		mg/kg	0.010	0.0011
2-Butanone	ND		mg/kg	0.010	0.00027
Vinyl acetate	ND		mg/kg	0.010	0.00013
4-Methyl-2-pentanone	ND		mg/kg	0.010	0.00024
2-Hexanone	ND		mg/kg	0.010	0.00067
Ethyl methacrylate	ND		mg/kg	0.010	0.00015
Acrolein	ND		mg/kg	0.025	0.0081
Acrylonitrile	ND		mg/kg	0.0040	0.00051
Bromochloromethane	ND		mg/kg	0.0050	0.00028
Tetrahydrofuran	ND		mg/kg	0.020	0.0010

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 08:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG732889-3					
2,2-Dichloropropane	ND		mg/kg	0.0050	0.00023
1,3-Dichloropropane	ND		mg/kg	0.0050	0.00014
1,1,1,2-Tetrachloroethane	ND		mg/kg	0.0010	0.00032
Bromobenzene	ND		mg/kg	0.0050	0.00021
n-Butylbenzene	ND		mg/kg	0.0010	0.00011
sec-Butylbenzene	ND		mg/kg	0.0010	0.00012
tert-Butylbenzene	ND		mg/kg	0.0050	0.00014
o-Chlorotoluene	ND		mg/kg	0.0050	0.00016
p-Chlorotoluene	ND		mg/kg	0.0050	0.00013
Hexachlorobutadiene	ND		mg/kg	0.0050	0.00023
Isopropylbenzene	ND		mg/kg	0.0010	0.00010
p-Isopropyltoluene	ND		mg/kg	0.0010	0.00012
Naphthalene	ND		mg/kg	0.0050	0.00014
n-Propylbenzene	ND		mg/kg	0.0010	0.00011
1,2,3-Trichlorobenzene	ND		mg/kg	0.0050	0.00015
1,2,4-Trichlorobenzene	ND		mg/kg	0.0050	0.00018
1,3,5-Trimethylbenzene	ND		mg/kg	0.0050	0.00014
1,2,4-Trimethylbenzene	ND		mg/kg	0.0050	0.00014
trans-1,4-Dichloro-2-butene	ND		mg/kg	0.0050	0.00039
Ethyl ether	ND		mg/kg	0.0050	0.00026
Methyl Acetate	ND		mg/kg	0.0040	0.00027
Ethyl Acetate	ND		mg/kg	0.020	0.00092
Isopropyl Ether	ND		mg/kg	0.0040	0.00014
Cyclohexane	ND		mg/kg	0.020	0.00015
tert-Butyl Alcohol	ND		mg/kg	0.10	0.0029
Ethyl-Tert-Butyl-Ether	ND		mg/kg	0.0040	0.00012
Tertiary-Amyl Methyl Ether	ND		mg/kg	0.0040	0.00009
Methyl cyclohexane	ND		mg/kg	0.0040	0.00015
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.020	0.00027

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 08:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG732889-3					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		mg/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/21/14 13:20
Analyst: MM
TCLP Extraction Date: 10/20/14 12:01

Extraction Date: 10/20/14 12:01

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG733056-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	1.4
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG732889-1 WG732889-2								
1,2-Dibromo-3-chloropropane	76		77		40-160	2		30
1,4-Dioxane	86		89		40-160	3		30
1,2-Dibromoethane	94		96		70-130	2		30
Methylene chloride	72		70		70-130	3		30
1,1-Dichloroethane	97		94		70-130	3		30
Chloroform	94		91		70-130	3		30
Carbon tetrachloride	102		99		70-130	3		30
1,2-Dichloropropane	95		94		70-130	1		30
Dibromochloromethane	85		86		70-130	1		30
1,1,2-Trichloroethane	94		94		70-130	0		30
2-Chloroethylvinyl ether	85		89		40-160	5		30
Tetrachloroethene	108		104		70-130	4		30
Chlorobenzene	98		98		70-130	0		30
Trichlorofluoromethane	116		107		40-160	8		30
1,2-Dichloroethane	93		92		70-130	1		30
1,1,1-Trichloroethane	104		101		70-130	3		30
Bromodichloromethane	88		87		70-130	1		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	94		94		40-160	0		30
1,1-Dichloropropene	104		102		70-130	2		30
Bromoform	75		76		40-160	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG732889-1 WG732889-2								
1,1,2,2-Tetrachloroethane	87		89		40-160	1		30
Benzene	100		98		70-130	2		30
Toluene	94		93		70-130	1		30
Ethylbenzene	93		93		70-130	0		30
Chloromethane	105		98		40-160	7		30
Bromomethane	81		78		40-160	5		30
Vinyl chloride	92		87		70-130	5		30
Chloroethane	87		85		40-160	3		30
1,1-Dichloroethene	106		103		70-130	3		30
trans-1,2-Dichloroethene	105		102		70-130	3		30
Trichloroethene	100		98		70-130	2		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	101		101		70-130	0		30
1,4-Dichlorobenzene	101		102		70-130	1		30
Methyl tert butyl ether	92		93		70-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	98		98		70-130	0		30
cis-1,2-Dichloroethene	101		100		70-130	1		30
Dibromomethane	93		93		70-130	0		30
1,4-Dichlorobutane	88		89		70-130	1		30
1,2,3-Trichloropropane	88		90		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG732889-1 WG732889-2								
Styrene	98		98		40-160	0		30
Dichlorodifluoromethane	110		102		40-160	8		30
Acetone	91		87		40-160	5		30
Carbon disulfide	64		60		40-160	6		30
2-Butanone	88		84		40-160	5		30
Vinyl acetate	89		89		70-130	1		30
4-Methyl-2-pentanone	80		83		40-160	4		30
2-Hexanone	74		77		40-160	4		30
Ethyl methacrylate	83		86		70-130	3		30
Acrolein	93		87		40-160	6		30
Acrylonitrile	90		91		70-130	1		30
Bromochloromethane	101		100		70-130	1		30
Tetrahydrofuran	82		85		70-130	3		30
2,2-Dichloropropane	103		101		40-160	2		30
1,3-Dichloropropane	93		96		70-130	2		30
1,1,1,2-Tetrachloroethane	95		95		70-130	1		30
Bromobenzene	98		98		70-130	1		30
n-Butylbenzene	106		104		70-130	2		30
sec-Butylbenzene	104		104		70-130	0		30
tert-Butylbenzene	104		104		70-130	0		30
o-Chlorotoluene	100		100		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG732889-1 WG732889-2								
p-Chlorotoluene	99		100		70-130	1		30
Hexachlorobutadiene	107		106		70-130	1		30
Isopropylbenzene	102		102		70-130	0		30
p-Isopropyltoluene	105		104		70-130	1		30
Naphthalene	89		92		40-160	3		30
n-Propylbenzene	100		99		70-130	1		30
1,2,3-Trichlorobenzene	96		98		70-130	3		30
1,2,4-Trichlorobenzene	104		105		70-130	1		30
1,3,5-Trimethylbenzene	101		101		70-130	0		30
1,2,4-Trimethylbenzene	100		100		70-130	0		30
trans-1,4-Dichloro-2-butene	84		85		70-130	2		30
Ethyl ether	92		92		70-130	1		30
Methyl Acetate	85		85		70-130	0		30
Ethyl Acetate	80		79		70-130	1		30
Isopropyl Ether	93		93		70-130	0		30
Cyclohexane	107		103		70-130	4		30
tert-Butyl Alcohol	76		77		40-160	1		30
Ethyl-Tert-Butyl-Ether	93		94		70-130	1		30
Tertiary-Amyl Methyl Ether	92		94		70-130	2		30
Methyl cyclohexane	109		106		70-130	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	114		107		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG732889-1 WG732889-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG733056-1 WG733056-2								
Chloroform	102		104		70-130	2		20
Carbon tetrachloride	84		96		63-132	13		20
Tetrachloroethene	106		109		70-130	3		20
Chlorobenzene	104		106		75-130	2		25
1,2-Dichloroethane	101		102		70-130	1		20
Benzene	105		106		70-130	1		25
Vinyl chloride	103		110		55-140	7		20
1,1-Dichloroethene	104		109		61-145	5		25
Trichloroethene	102		104		70-130	2		25
1,4-Dichlorobenzene	105		105		70-130	0		20
2-Butanone	88		88		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	101		101		70-130

SEMIVOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	D	Date Collected:	10/17/14 14:40
Client ID:	SOIL		Date Received:	10/17/14
Sample Location:	BRONX		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D-SIM		Extraction Date:	10/18/14 02:40
Analytical Date:	10/21/14 10:16			
Analyst:	MW			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.056		mg/kg	0.016	0.0024	2
Fluoranthene	0.14		mg/kg	0.016	0.0025	2
Naphthalene	ND		mg/kg	0.016	0.0021	2
2-Methylnaphthalene	0.31		mg/kg	0.016	0.0019	2
Benzo(a)anthracene	0.070		mg/kg	0.016	0.0024	2
Benzo(a)pyrene	0.066		mg/kg	0.016	0.0036	2
Benzo(b)fluoranthene	0.080		mg/kg	0.016	0.0037	2
Benzo(k)fluoranthene	0.026		mg/kg	0.016	0.0038	2
Chrysene	0.079		mg/kg	0.016	0.0038	2
Acenaphthylene	ND		mg/kg	0.016	0.0017	2
Anthracene	0.049		mg/kg	0.016	0.0015	2
Benzo(ghi)perylene	0.045		mg/kg	0.016	0.0044	2
Fluorene	0.098		mg/kg	0.016	0.0026	2
Phenanthrene	0.16		mg/kg	0.016	0.0039	2
Dibenzo(a,h)anthracene	0.013	J	mg/kg	0.016	0.0044	2
Indeno(1,2,3-cd)pyrene	0.041		mg/kg	0.016	0.0044	2
Pyrene	0.14		mg/kg	0.016	0.0021	2
2-Chloronaphthalene	ND		mg/kg	0.016	0.0041	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		30-130
2-Fluorobiphenyl	65		30-130
4-Terphenyl-d14	56		30-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/20/14 20:28
Analyst: MW

Extraction Method: EPA 3546
Extraction Date: 10/18/14 02:40

Parameter	Result	Qualifier	Units	RL	MDL
PAHs by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG732314-1					
Acenaphthene	ND		mg/kg	0.0066	0.0010
Fluoranthene	ND		mg/kg	0.0066	0.0010
Naphthalene	ND		mg/kg	0.0066	0.00090
2-Methylnaphthalene	ND		mg/kg	0.0066	0.00079
Benzo(a)anthracene	ND		mg/kg	0.0066	0.0010
Benzo(a)pyrene	ND		mg/kg	0.0066	0.0015
Benzo(b)fluoranthene	ND		mg/kg	0.0066	0.0016
Benzo(k)fluoranthene	ND		mg/kg	0.0066	0.0016
Chrysene	ND		mg/kg	0.0066	0.0016
Acenaphthylene	ND		mg/kg	0.0066	0.00073
Anthracene	ND		mg/kg	0.0066	0.00064
Benzo(ghi)perylene	ND		mg/kg	0.0066	0.0018
Fluorene	ND		mg/kg	0.0066	0.0011
Phenanthrene	ND		mg/kg	0.0066	0.0016
Dibenzo(a,h)anthracene	ND		mg/kg	0.0066	0.0018
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.0066	0.0019
Pyrene	ND		mg/kg	0.0066	0.00087
2-Chloronaphthalene	ND		mg/kg	0.0066	0.0017

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	53		30-130
2-Fluorobiphenyl	56		30-130
4-Terphenyl-d14	77		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG732314-2 WG732314-3								
Acenaphthene	73		72		70-130	1		30
Fluoranthene	83		81		70-130	2		30
Naphthalene	**64**	Q	**61**	Q	70-130	5		30
2-Methylnaphthalene	**69**	Q	**68**	Q	70-130	1		30
Benzo(a)anthracene	85		83		70-130	2		30
Benzo(a)pyrene	87		86		70-130	1		30
Benzo(b)fluoranthene	89		87		70-130	2		30
Benzo(k)fluoranthene	85		84		70-130	1		30
Chrysene	80		79		70-130	1		30
Acenaphthylene	76		76		70-130	0		30
Anthracene	83		82		70-130	1		30
Benzo(ghi)perylene	**60**	Q	**57**	Q	70-130	5		30
Fluorene	81		79		70-130	3		30
Phenanthrene	78		76		70-130	3		30
Dibenzo(a,h)anthracene	70		**68**	Q	70-130	3		30
Indeno(1,2,3-cd)pyrene	**67**	Q	**64**	Q	70-130	5		30
Pyrene	83		80		70-130	4		30
2-Chloronaphthalene	71		71		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG732314-2 WG732314-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	74		70		30-130
2-Fluorobiphenyl	74		73		30-130
4-Terphenyl-d14	81		78		30-130

PETROLEUM HYDROCARBONS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	Date Collected:	10/17/14 14:40
Client ID:	SOIL	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	10/20/14 19:19		
Analyst:	BS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	140		mg/kg	3.0	0.057	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	105		70-130
4-Bromofluorobenzene	77		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	D	Date Collected:	10/17/14 14:40
Client ID:	SOIL		Date Received:	10/17/14
Sample Location:	BRONX		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	10/20/14 23:04
Analytical Date:	10/21/14 11:53			
Analyst:	JT			
Percent Solids:	83%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	2110		mg/kg	380	42.5	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/21/14 13:14
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 10/20/14 23:04

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG732746-1					
DROD (C9-C44)	10.5	J	mg/kg	32.2	3.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/20/14 10:12
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01 Batch: WG732807-3					
Gasoline Range Organics	ND		mg/kg	2.5	0.048

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	90		70-130
4-Bromofluorobenzene	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG732746-2								
Total Petroleum Hydrocarbons (C9-C44)	108		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	80				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 Batch: WG732807-1 WG732807-2								
Gasoline Range Organics	81		90		80-120	11		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	88		102		70-130
4-Bromofluorobenzene	95		110		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732807-5 QC Sample: L1424707-01 Client ID: MS Sample												
Gasoline Range Organics	ND	22.2	19	86		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101				70-130
4-Bromofluorobenzene	107				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732746-3 QC Sample: L1424837-01 Client ID: SOIL						
DROD (C9-C44)	2110	2320	mg/kg	9		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		91		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732807-4 QC Sample: L1424707-01 Client ID: DUP Sample					
Gasoline Range Organics	ND	ND	mg/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		88		70-130
4-Bromofluorobenzene	91		89		70-130

PCBS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424837
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	Date Collected:	10/17/14 14:40
Client ID:	SOIL	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:38
Analytical Date:	10/18/14 20:30	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0388	0.00306	1	A
Aroclor 1221	ND		mg/kg	0.0388	0.00358	1	A
Aroclor 1232	ND		mg/kg	0.0388	0.00454	1	A
Aroclor 1242	ND		mg/kg	0.0388	0.00475	1	A
Aroclor 1248	ND		mg/kg	0.0388	0.00327	1	A
Aroclor 1254	ND		mg/kg	0.0388	0.00319	1	A
Aroclor 1260	ND		mg/kg	0.0388	0.00296	1	A
Aroclor 1262	ND		mg/kg	0.0388	0.00192	1	A
Aroclor 1268	ND		mg/kg	0.0388	0.00562	1	A
PCBs, Total	ND		mg/kg	0.0388	0.00192	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 5520 BROADWAY

Project Number: 1924.0008Y

Lab Number: L1424837

Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/18/14 18:02
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 10/18/14 03:38
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG732322-1						
Aroclor 1016	ND		mg/kg	0.0315	0.00249	A
Aroclor 1221	ND		mg/kg	0.0315	0.00291	A
Aroclor 1232	ND		mg/kg	0.0315	0.00370	A
Aroclor 1242	ND		mg/kg	0.0315	0.00386	A
Aroclor 1248	ND		mg/kg	0.0315	0.00266	A
Aroclor 1254	ND		mg/kg	0.0315	0.00259	A
Aroclor 1260	ND		mg/kg	0.0315	0.00240	A
Aroclor 1262	ND		mg/kg	0.0315	0.00156	A
Aroclor 1268	ND		mg/kg	0.0315	0.00457	A
PCBs, Total	ND		mg/kg	0.0315	0.00156	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG732322-2 WG732322-3									
Aroclor 1016	77		77		40-140	0		30	A
Aroclor 1260	86		87		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	A
Decachlorobiphenyl	66		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		85		30-150	B
Decachlorobiphenyl	67		68		30-150	B

METALS

Project Name:	5520 BROADWAY	**Lab Number:**	L1424837
Project Number:	1924.0008Y	**Report Date:**	10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	Date Collected:	10/17/14 14:40
Client ID:	SOIL	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	10/18/14 15:41
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH
Barium, TCLP	0.72		mg/l	0.50	0.03	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH
Lead, TCLP	0.24	J	mg/l	0.50	0.02	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/21/14 10:23	10/21/14 15:16	EPA 7470A	1,7470A	AK
Selenium, TCLP	0.04	J	mg/l	0.50	0.03	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/21/14 08:50	10/21/14 16:00	EPA 3015	1,6010C	JH

Project Name:	5520 BROADWAY	**Lab Number:**	L1424837
Project Number:	1924.0008Y	**Report Date:**	10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	Date Collected:	10/17/14 14:40
Client ID:	SOIL	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	8.2		mg/kg	0.46	0.09	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT
Barium, Total	100		mg/kg	0.46	0.14	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.46	0.03	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT
Chromium, Total	28		mg/kg	0.46	0.09	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT
Lead, Total	47		mg/kg	2.3	0.09	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT
Mercury, Total	0.22		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 13:18	EPA 7471B	1,7471B	MC
Selenium, Total	0.19	J	mg/kg	0.91	0.14	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.46	0.09	1	10/20/14 15:00	10/21/14 14:34	EPA 3050B	1,6010C	TT

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG732315-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 12:29	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG732647-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT
Chromium, Total	0.32	J	mg/kg	0.40	0.08	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	10/20/14 15:00	10/21/14 13:41	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG732806-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH
Barium, TCLP	0.03	J	mg/l	0.50	0.03	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH
Lead, TCLP	ND		mg/l	0.50	0.02	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	10/21/14 08:50	10/21/14 15:32	1,6010C	JH

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 10/18/14 15:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG732835-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	10/21/14 10:23	10/21/14 15:10	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 10/18/14 15:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG732315-2 SRM Lot Number: D083-540								
Mercury, Total	116		-		75-126	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG732647-2 SRM Lot Number: D083-540								
Arsenic, Total	106		-		78-122	-		
Barium, Total	96		-		82-117	-		
Cadmium, Total	95		-		82-118	-		
Chromium, Total	95		-		79-121	-		
Lead, Total	93		-		81-119	-		
Selenium, Total	102		-		78-123	-		
Silver, Total	99		-		74-125	-		
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG732806-2								
Arsenic, TCLP	92		-		75-125	-		20
Barium, TCLP	85		-		75-125	-		20
Cadmium, TCLP	98		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	92		-		75-125	-		20
Selenium, TCLP	100		-		75-125	-		20
Silver, TCLP	94		-		75-125	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG732835-2					
Mercury, TCLP	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732315-4 QC Sample: L1424780-01 Client ID: MS Sample												
Mercury, Total	0.43	0.141	0.56	92		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732647-4 QC Sample: L1424837-01 Client ID: SOIL												
Arsenic, Total	8.2	11.4	19	94		-	-		75-125	-		20
Barium, Total	100	191	290	100		-	-		75-125	-		20
Cadmium, Total	ND	4.87	3.8	78		-	-		75-125	-		20
Chromium, Total	28.	19.1	50	115		-	-		75-125	-		20
Lead, Total	47.	48.7	81	**70**	Q	-	-		75-125	-		20
Selenium, Total	0.19J	11.4	10	87		-	-		75-125	-		20
Silver, Total	ND	28.6	26	91		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732806-4 QC Sample: L1424745-06 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.1	92		-	-		75-125	-		20
Barium, TCLP	0.30J	20	17	85		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.48	94		-	-		75-125	-		20
Chromium, TCLP	ND	2	1.9	95		-	-		75-125	-		20
Lead, TCLP	0.27J	5.1	4.7	92		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.2	100		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.46	92		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732835-4 QC Sample: L1424837-01 Client ID: SOIL												
Mercury, TCLP	ND	0.025	0.0248	99		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732315-3 QC Sample: L1424780-01 Client ID: DUP Sample						
Mercury, Total	0.43	0.38	mg/kg	12		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732647-3 QC Sample: L1424837-01 Client ID: SOIL						
Arsenic, Total	8.2	9.6	mg/kg	16		20
Barium, Total	100	120	mg/kg	18		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	28.	36	mg/kg	**25**	Q	20
Lead, Total	47.	50	mg/kg	6		20
Selenium, Total	0.19J	0.23J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732806-3 QC Sample: L1424745-06 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.30J	0.28J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.27J	0.27J	mg/l	NC		20
Selenium, TCLP	ND	0.04J	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732835-3 QC Sample: L1424837-01 Client ID: SOIL						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name:	5520 BROADWAY	**Lab Number:**	L1424837
Project Number:	1924.0008Y	**Report Date:**	10/21/14

SAMPLE RESULTS

Lab ID:	L1424837-01	Date Collected:	10/17/14 14:40
Client ID:	SOIL	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	10/20/14 18:28	1,1030	TL

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424837-01
Client ID: SOIL
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:40
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	10/18/14 00:54	30,2540G	RT
pH (H)	7.9		SU	-	NA	1	-	10/18/14 04:10	1,9045D	MR
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/18/14 13:16	10/18/14 15:06	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/18/14 13:16	10/18/14 14:59	1,7.3	TL

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG732356-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/18/14 13:16	10/18/14 15:03	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG732357-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/18/14 13:16	10/18/14 14:54	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG732325-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG732356-2								
Cyanide, Reactive	44		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG732357-2								
Sulfide, Reactive	124		-		60-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732301-1 QC Sample: L1424543-01 Client ID: DUP Sample						
Solids, Total	94.3	93.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732325-2 QC Sample: L1424283-19 Client ID: DUP Sample						
pH	8.3	8.3	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732356-3 QC Sample: L1424780-04 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG732357-3 QC Sample: L1424780-04 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424837
Report Date: 10/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424837-01A	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	TCLP-EXT-ZHE(14),NJ-8260(14)
L1424837-01A1	Vial Large Septa unpreserved	A	N/A	4.3	Y	Absent	NJ-TPH-GRO(14)
L1424837-01A9	Vial MeOH preserved split	A	N/A	4.3	Y	Absent	NJ-TPH-GRO(14)
L1424837-01E	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	IGNIT-1030(14),REACTS(14),AS-TI(180),BA-TI(180),AG-TI(180),NJ-8082(14),NJ-PAHSIM(14),CR-TI(180),NJ-TPH-DROD-C44(14),TS(7),PB-TI(180),PH-9045(1),SE-TI(180),HG-T(28),REACTCN(14),CD-TI(180)
L1424837-01X	Plastic 120ml HNO3 preserved spl	A	<2	4.3	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1424837-01X9	Tumble Vessel	A	N/A	4.3	Y	Absent	-

Container Comments

L1424837-01E

*Values in parentheses indicate holding time in days

Project Name:	5520 BROADWAY	**Lab Number:**	L1424837
Project Number:	1924.0008Y	**Report Date:**	10/21/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1424837

Project Number: 1924.0008Y **Report Date:** 10/21/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1424837
Project Number: 1924.0008Y **Report Date:** 10/21/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

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Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 10/17/14

ALPHA Job #: L1424837

Client Information
Client: Roux Assoc
Address: 209 Shafter St Islandia NY
Phone: 631-232-2600
Fax:
Email:

Project Information
Project Name: 5520 Broadway
Project Location: Bronx
Project #: 1924.000 By
(Use Project name as Project #) ☐
Project Manager: Wendy Mastrovito
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 10/21/14
Rush (only if pre approved) ☒ # of Days: 3 days

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	TPH	PAH	RICA Chr.	Total metals RCRA	TIL Pesticides	PCB	Sample Specific Comments	Total Bottle
24837-01	Soil	10/17/14	1440	S	JG	X	X	X	X	X	X	X		

Preservative Code:	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

	VOCs	TPH	PAH	RICA Chr.	Total metals RCRA	TIL Pesticides	PCB
Container Type							
Preservative							

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10-17-14 1600	[signature] ALL	10-17-14 1600
[signature]	10-17-14 1935	Tom Toler	10-17-14 1935
Tom Toler	10-17-14 23:23	[signature]	10/17/14 23:23

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1424941
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Wendy Monterosso
Phone:	(631) 232-2600
Project Name:	5520 BROADWAY
Project Number:	1924.0008Y
Report Date:	10/21/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1424941-01	WC-TPH-2	SOIL	BRONX, NY	10/20/14 14:10	10/20/14
L1424941-02	WC-TPH-3	SOIL	BRONX, NY	10/20/14 14:20	10/20/14

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	YES
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	YES
3	Were all samples received at an appropriate temperature (4 ± 2° C)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	YES
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	YES
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	YES
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	NO

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1a or #1b is "No", the data package does not meet the requirements for "Data of Known Quality".

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 5520 BROADWAY **Lab Number:** L1424941
Project Number: 1924.0008Y **Report Date:** 10/21/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Report Submission

All DKQP required questions were answered with affirmative responses; therefore, there are no relevant data issues to discuss.

Non-DKQP Related Narratives

Gasoline Range Organics

The surrogate recovery for L1424941-02 is outside the acceptance criteria for 1,1,1-trifluorotoluene (146%); however, the sample was not re-analyzed due to coelution with obvious interferences. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 10/21/14

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424941
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424941-01	Date Collected:	10/20/14 14:10
Client ID:	WC-TPH-2	Date Received:	10/20/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	10/21/14 10:33		
Analyst:	BS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	56.		mg/kg	2.7	0.052	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	75		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424941
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424941-01	D	Date Collected:	10/20/14 14:10
Client ID:	WC-TPH-2		Date Received:	10/20/14
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	10/21/14 00:46
Analytical Date:	10/21/14 13:47			
Analyst:	JT			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	1360		mg/kg	365	40.8	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	92		40-140

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424941
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424941-02	Date Collected:	10/20/14 14:20
Client ID:	WC-TPH-3	Date Received:	10/20/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	10/21/14 11:12		
Analyst:	BS		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	140		mg/kg	3.2	0.062	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	**146**	Q	70-130
4-Bromofluorobenzene	70		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424941
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424941-02	D	Date Collected:	10/20/14 14:20
Client ID:	WC-TPH-3		Date Received:	10/20/14
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)		Extraction Date:	10/21/14 00:46
Analytical Date:	10/21/14 14:20			
Analyst:	JT			
Percent Solids:	75%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
DROD (C9-C44)	850.		mg/kg	212	23.7	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/21/14 13:14
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 10/20/14 23:04

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG732746-1					
DROD (C9-C44)	10.5	J	mg/kg	32.2	3.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: 5520 BROADWAY **Lab Number:** L1424941

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/21/14 09:54
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02 Batch: WG732807-10					
Gasoline Range Organics	ND		mg/kg	2.5	0.048

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	94		70-130
4-Bromofluorobenzene	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424941
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG732746-2								
Total Petroleum Hydrocarbons (C9-C44)	108		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	80				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG732807-8 WG732807-9								
Gasoline Range Organics	81		86		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	92		97		70-130
4-Bromofluorobenzene	99		106		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG732807-5 QC Sample: L1424707-01 Client ID: MS Sample												
Gasoline Range Organics	ND	22.2	19	86		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101				70-130
4-Bromofluorobenzene	107				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG732746-3 QC Sample: L1424837-01 Client ID: DUP Sample						
Total Petroleum Hydrocarbons (C9-C44)	2110	2320	mg/kg	9		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		91		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG732807-4 QC Sample: L1424707-01 Client ID: DUP Sample					
Gasoline Range Organics	ND	ND	mg/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		88		70-130
4-Bromofluorobenzene	91		89		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424941-01
Client ID: WC-TPH-2
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/20/14 14:10
Date Received: 10/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	10/20/14 23:32	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424941-02
Client ID: WC-TPH-3
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/20/14 14:20
Date Received: 10/20/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.0		%	0.100	NA	1	-	10/20/14 23:32	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG732748-1 QC Sample: L1424928-01 Client ID: DUP Sample						
Solids, Total	94.0	94.7	%	1		20

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424941
Report Date: 10/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424941-01A	Vial Large Septa unpreserved	A	N/A	3.8	Y	Absent	NJ-TPH-GRO(14)
L1424941-01B	Vial Large Septa unpreserved	A	N/A	3.8	Y	Absent	NJ-TPH-DROD-C44(14),TS(7)
L1424941-01X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NJ-TPH-GRO(14)
L1424941-02A	Vial Large Septa unpreserved	A	N/A	3.8	Y	Absent	NJ-TPH-GRO(14)
L1424941-02B	Vial Large Septa unpreserved	A	N/A	3.8	Y	Absent	NJ-TPH-DROD-C44(14),TS(7)
L1424941-02X	Vial MeOH preserved split	A	N/A	3.8	Y	Absent	NJ-TPH-GRO(14)

*Values in parentheses indicate holding time in days

Project Name:	5520 BROADWAY	**Lab Number:**	L1424941
Project Number:	1924.0008Y	**Report Date:**	10/21/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	5520 BROADWAY	**Lab Number:**	L1424941
Project Number:	1924.0008Y	**Report Date:**	10/21/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1424941
Project Number: 1924.0008Y **Report Date:** 10/21/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page (of (

Date Rec'd in Lab: 10/20/14

ALPHA Job #: L1424941

Client Information
Client: Rant Associates
Address: 20 Sheffield St
Islandia NY
Phone: 631 232-2600
Fax:
Email: wmonteross@rantinc.com

Project Information
Project Name: 5520 Broadway
Project Location: Bronx NY
Project #: 1924.00084
(Use Project name as Project #) ☐
Project Manager: William Monteross
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 24 hr 10/21/14
Rush (only if pre approved) ☒ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TPH-DRO	TPH GRO							Sample Specific Comments	Total Bottle
24941-01	WC-TPH-2	10/20/14	1410	S	TC	X	X								
02	WC-TPH-3	10/20/14	1420	S	TC	X	X								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	4oz	4oz											
Preservative	—												

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/20/14 1455	[signature] AAL	10-20-14 1455
[signature]	10-20-14 1835	Tom Toher	10-20-14 1835
Tom Toher	10-20-14 2215	Willie McCleod	10/20/14 2215

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

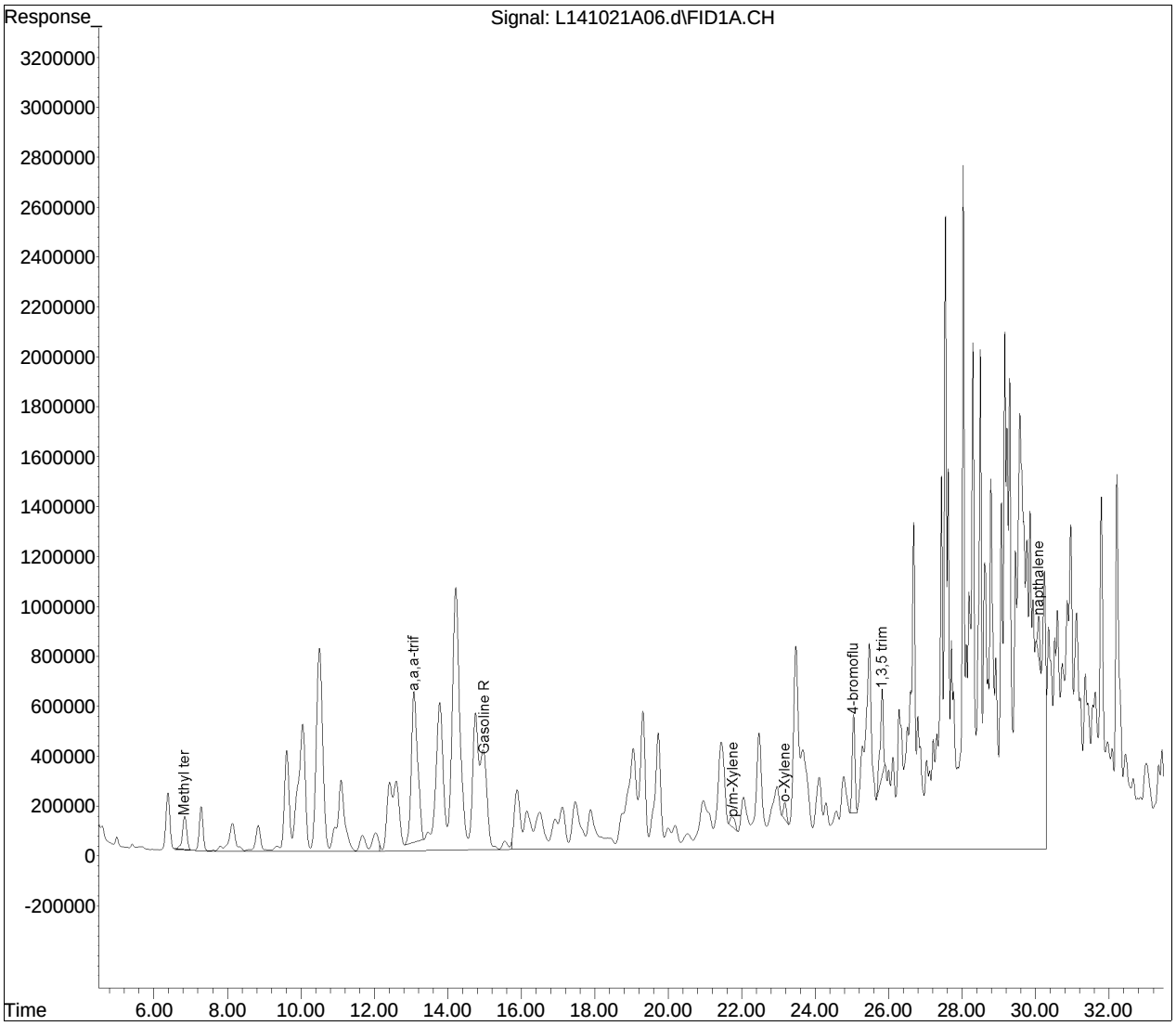
Quantitation Report (QT Reviewed)

Data Path : I:\LVPH\141021Stphgro\
Data File : L141021A06.d
Signal(s) : FID1A.CH
Acq On : 21 Oct 2014 11:12 am
Operator : LVPH:bs
Sample : l1424941-02,41M,15,15.4,.1
Misc : wg732807,ical9591
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 21 11:49:57 2014
Quant Method : I:\LVPH\141021Stphgro\tphgro.m
Quant Title : TPH_GRO
QLast Update : Mon May 26 10:26:02 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed



APPENDIX F

Post-Excavation
Analytical Laboratory Data

ANALYTICAL REPORT

Lab Number:	L1416014
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Joseph Gavin
Phone:	(631) 232-2600
Project Name:	5520 BROADWAY
Project Number:	1924.0008Y
Report Date:	07/22/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1416014-01	SB-3/B-2	SOIL	5520 BROADWAY, BRONX	07/18/14 08:40	07/18/14
L1416014-02	SB-3/WSW-2	SOIL	5520 BROADWAY, BRONX	07/18/14 10:35	07/18/14

Project Name: 5520 BROADWAY **Lab Number:** L1416014
Project Number: 1924.0008Y **Report Date:** 07/22/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 5520 BROADWAY **Lab Number:** L1416014
Project Number: 1924.0008Y **Report Date:** 07/22/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Total Metals

L1416014-01 and -02 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG707458-4 MS recoveries for aluminum (1560%), calcium (0%), copper (0%), iron (2080%), magnesium (0%), manganese (62%), and zinc (0%), performed on L1416014-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG707458-4 MS recoveries, performed on L1416014-01, are outside the acceptance criteria for lead (0%) and thallium (66%). A post digestion spike was performed and yielded unacceptable recoveries for lead (68%) and thallium (74%). This has been attributed to sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 07/22/14

ORGANICS

SEMIVOLATILES

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID:	L1416014-01	Date Collected:	07/18/14 08:40
Client ID:	SB-3/B-2	Date Received:	07/18/14
Sample Location:	5520 BROADWAY, BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	07/19/14 02:06
Analytical Date:	07/21/14 22:33		
Analyst:	PS		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	65	J	ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	770		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID: L1416014-01 Date Collected: 07/18/14 08:40

Client ID: SB-3/B-2 Date Received: 07/18/14

Sample Location: 5520 BROADWAY, BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	410		ug/kg	120	41.	1
Benzo(a)pyrene	410		ug/kg	170	51.	1
Benzo(b)fluoranthene	490		ug/kg	120	42.	1
Benzo(k)fluoranthene	210		ug/kg	120	40.	1
Chrysene	400		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	150		ug/kg	120	35.	1
Benzo(ghi)perylene	260		ug/kg	170	44.	1
Fluorene	63	J	ug/kg	210	60.	1
Phenanthrene	490		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	72	J	ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	280		ug/kg	170	46.	1
Pyrene	630		ug/kg	120	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	66	J	ug/kg	210	45.	1

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID:	L1416014-01	Date Collected:	07/18/14 08:40
Client ID:	SB-3/B-2	Date Received:	07/18/14
Sample Location:	5520 BROADWAY, BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	111		0-136
4-Terphenyl-d14	97		18-120

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID:	L1416014-02	Date Collected:	07/18/14 10:35
Client ID:	SB-3/WSW-2	Date Received:	07/18/14
Sample Location:	5520 BROADWAY, BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	07/19/14 02:06
Analytical Date:	07/21/14 22:59		
Analyst:	PS		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	48.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	76.	1
Hexachlorobenzene	ND		ug/kg	140	43.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	65.	1
2-Chloronaphthalene	ND		ug/kg	230	75.	1
1,2-Dichlorobenzene	ND		ug/kg	230	76.	1
1,3-Dichlorobenzene	ND		ug/kg	230	73.	1
1,4-Dichlorobenzene	ND		ug/kg	230	70.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	50.	1
2,6-Dinitrotoluene	ND		ug/kg	230	59.	1
Fluoranthene	270		ug/kg	140	42.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	70.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	53.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	81.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	70.	1
Hexachlorobutadiene	ND		ug/kg	230	65.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	150	1
Hexachloroethane	ND		ug/kg	180	42.	1
Isophorone	ND		ug/kg	210	62.	1
Naphthalene	ND		ug/kg	230	77.	1
Nitrobenzene	ND		ug/kg	210	55.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	48.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	69.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	230	61.	1
Butyl benzyl phthalate	ND		ug/kg	230	45.	1
Di-n-butylphthalate	ND		ug/kg	230	45.	1
Di-n-octylphthalate	ND		ug/kg	230	57.	1
Diethyl phthalate	ND		ug/kg	230	49.	1
Dimethyl phthalate	ND		ug/kg	230	59.	1

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID: L1416014-02 Date Collected: 07/18/14 10:35

Client ID: SB-3/WSW-2 Date Received: 07/18/14

Sample Location: 5520 BROADWAY, BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	150		ug/kg	140	45.	1
Benzo(a)pyrene	150	J	ug/kg	180	56.	1
Benzo(b)fluoranthene	200		ug/kg	140	47.	1
Benzo(k)fluoranthene	69	J	ug/kg	140	44.	1
Chrysene	160		ug/kg	140	45.	1
Acenaphthylene	ND		ug/kg	180	43.	1
Anthracene	47	J	ug/kg	140	38.	1
Benzo(ghi)perylene	110	J	ug/kg	180	48.	1
Fluorene	ND		ug/kg	230	66.	1
Phenanthrene	150		ug/kg	140	45.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	45.	1
Indeno(1,2,3-cd)Pyrene	110	J	ug/kg	180	51.	1
Pyrene	230		ug/kg	140	45.	1
Biphenyl	ND		ug/kg	530	76.	1
4-Chloroaniline	ND		ug/kg	230	61.	1
2-Nitroaniline	ND		ug/kg	230	65.	1
3-Nitroaniline	ND		ug/kg	230	64.	1
4-Nitroaniline	ND		ug/kg	230	62.	1
Dibenzofuran	ND		ug/kg	230	77.	1
2-Methylnaphthalene	ND		ug/kg	280	74.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	72.	1
Acetophenone	ND		ug/kg	230	72.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
P-Chloro-M-Cresol	ND		ug/kg	230	67.	1
2-Chlorophenol	ND		ug/kg	230	70.	1
2,4-Dichlorophenol	ND		ug/kg	210	75.	1
2,4-Dimethylphenol	ND		ug/kg	230	69.	1
2-Nitrophenol	ND		ug/kg	500	72.	1
4-Nitrophenol	ND		ug/kg	320	75.	1
2,4-Dinitrophenol	ND		ug/kg	1100	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	85.	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	230	68.	1
2-Methylphenol	ND		ug/kg	230	74.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	76.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	75.	1
Benzoic Acid	ND		ug/kg	750	230	1
Benzyl Alcohol	ND		ug/kg	230	71.	1
Carbazole	ND		ug/kg	230	50.	1

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID:	L1416014-02	Date Collected:	07/18/14 10:35
Client ID:	SB-3/WSW-2	Date Received:	07/18/14
Sample Location:	5520 BROADWAY, BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	99		0-136
4-Terphenyl-d14	94		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/14 20:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/19/14 02:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG707079-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/14 20:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/19/14 02:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG707079-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/21/14 20:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/19/14 02:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG707079-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.

Tentatively Identified Compounds

Unknown	240	J	ug/kg
Unknown	200	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	71		0-136
4-Terphenyl-d14	76		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG707079-2 WG707079-3								
Acenaphthene	76		75		31-137	1		50
1,2,4-Trichlorobenzene	61		61		38-107	0		50
Hexachlorobenzene	87		87		40-140	0		50
Bis(2-chloroethyl)ether	52		53		40-140	2		50
2-Chloronaphthalene	70		67		40-140	4		50
1,2-Dichlorobenzene	58		58		40-140	0		50
1,3-Dichlorobenzene	58		58		40-140	0		50
1,4-Dichlorobenzene	57		58		28-104	2		50
3,3'-Dichlorobenzidine	58		58		40-140	0		50
2,4-Dinitrotoluene	**97**	Q	**93**	Q	28-89	4		50
2,6-Dinitrotoluene	96		90		40-140	6		50
Fluoranthene	89		89		40-140	0		50
4-Chlorophenyl phenyl ether	81		79		40-140	3		50
4-Bromophenyl phenyl ether	86		83		40-140	4		50
Bis(2-chloroisopropyl)ether	**36**	Q	**36**	Q	40-140	0		50
Bis(2-chloroethoxy)methane	57		56		40-117	2		50
Hexachlorobutadiene	63		64		40-140	2		50
Hexachlorocyclopentadiene	79		77		40-140	3		50
Hexachloroethane	57		58		40-140	2		50
Isophorone	60		58		40-140	3		50
Naphthalene	62		63		40-140	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG707079-2 WG707079-3								
Nitrobenzene	58		59		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	88		86			2		50
n-Nitrosodi-n-propylamine	59		57		32-121	3		50
Bis(2-Ethylhexyl)phthalate	109		101		40-140	8		50
Butyl benzyl phthalate	98		98		40-140	0		50
Di-n-butylphthalate	96		93		40-140	3		50
Di-n-octylphthalate	107		104		40-140	3		50
Diethyl phthalate	89		85		40-140	5		50
Dimethyl phthalate	84		82		40-140	2		50
Benzo(a)anthracene	91		88		40-140	3		50
Benzo(a)pyrene	92		90		40-140	2		50
Benzo(b)fluoranthene	90		85		40-140	6		50
Benzo(k)fluoranthene	86		88		40-140	2		50
Chrysene	92		90		40-140	2		50
Acenaphthylene	77		74		40-140	4		50
Anthracene	94		92		40-140	2		50
Benzo(ghi)perylene	89		84		40-140	6		50
Fluorene	81		80		40-140	1		50
Phenanthrene	88		88		40-140	0		50
Dibenzo(a,h)anthracene	88		86		40-140	2		50
Indeno(1,2,3-cd)Pyrene	90		86		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG707079-2 WG707079-3								
Pyrene	88		89		35-142	1		50
Biphenyl	70		69			1		50
4-Chloroaniline	42		41		40-140	2		50
2-Nitroaniline	94		90		47-134	4		50
3-Nitroaniline	63		63		26-129	0		50
4-Nitroaniline	85		85		41-125	0		50
Dibenzofuran	78		77		40-140	1		50
2-Methylnaphthalene	65		63		40-140	3		50
1,2,4,5-Tetrachlorobenzene	66		66		40-117	0		50
Acetophenone	64		62		14-144	3		50
2,4,6-Trichlorophenol	81		78		30-130	4		50
P-Chloro-M-Cresol	83		80		26-103	4		50
2-Chlorophenol	60		58		25-102	3		50
2,4-Dichlorophenol	71		70		30-130	1		50
2,4-Dimethylphenol	77		74		30-130	4		50
2-Nitrophenol	65		64		30-130	2		50
4-Nitrophenol	87		86		11-114	1		50
2,4-Dinitrophenol	49		46		4-130	6		50
4,6-Dinitro-o-cresol	98		96		10-130	2		50
Pentachlorophenol	91		92		17-109	1		50
Phenol	55		55		26-90	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG707079-2 WG707079-3								
2-Methylphenol	63		60		30-130.	5		50
3-Methylphenol/4-Methylphenol	66		62		30-130	6		50
2,4,5-Trichlorophenol	85		81		30-130	5		50
Benzoic Acid	15		15			0		50
Benzyl Alcohol	60		57		40-140	5		50
Carbazole	90		89		54-128	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		57		25-120
Phenol-d6	59		56		10-120
Nitrobenzene-d5	62		58		23-120
2-Fluorobiphenyl	70		65		30-120
2,4,6-Tribromophenol	100		95		0-136
4-Terphenyl-d14	88		87		18-120

METALS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1416014
Report Date: 07/22/14

SAMPLE RESULTS

Lab ID: L1416014-01
Client ID: SB-3/B-2
Sample Location: 5520 BROADWAY, BRONX
Matrix: Soil
Percent Solids: 78%

Date Collected: 07/18/14 08:40
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	10	2.0	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Antimony, Total	0.94	J	mg/kg	5.0	0.81	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Arsenic, Total	5.4		mg/kg	1.0	0.20	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	1.0	0.30	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.50	0.10	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Cadmium, Total	1.3		mg/kg	1.0	0.07	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Calcium, Total	25000		mg/kg	10	3.0	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Chromium, Total	24		mg/kg	1.0	0.20	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Cobalt, Total	8.2		mg/kg	2.0	0.50	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Copper, Total	350		mg/kg	1.0	0.20	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	5.0	2.0	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Lead, Total	130		mg/kg	5.0	0.20	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Magnesium, Total	15000		mg/kg	10	1.0	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Manganese, Total	290		mg/kg	1.0	0.20	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Mercury, Total	0.16		mg/kg	0.09	0.02	1	07/19/14 08:58	07/21/14 13:58	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	2.5	0.40	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Potassium, Total	2900		mg/kg	250	40.	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Selenium, Total	0.42	J	mg/kg	2.0	0.30	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.0	0.20	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Sodium, Total	88	J	mg/kg	200	30.	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.0	0.40	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Vanadium, Total	33		mg/kg	1.0	0.10	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG
Zinc, Total	430		mg/kg	5.0	0.71	2	07/21/14 14:37	07/22/14 11:06	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

SAMPLE RESULTS

Lab ID: L1416014-02 Date Collected: 07/18/14 10:35

Client ID: SB-3/WSW-2 Date Received: 07/18/14

Sample Location: 5520 BROADWAY, BRONX Field Prep: Not Specified

Matrix: Soil

Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8100		mg/kg	11	2.1	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Antimony, Total	3.8	J	mg/kg	5.3	0.85	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Arsenic, Total	6.3		mg/kg	1.1	0.21	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	1.1	0.32	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Beryllium, Total	0.29	J	mg/kg	0.53	0.11	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Cadmium, Total	0.82	J	mg/kg	1.1	0.07	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	11	3.2	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	1.1	0.21	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Cobalt, Total	5.3		mg/kg	2.1	0.53	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Copper, Total	300		mg/kg	1.1	0.21	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Iron, Total	12000		mg/kg	5.3	2.1	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Lead, Total	260		mg/kg	5.3	0.21	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Magnesium, Total	16000		mg/kg	11	1.1	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Manganese, Total	200		mg/kg	1.1	0.21	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Mercury, Total	0.20		mg/kg	0.10	0.02	1	07/19/14 08:58	07/21/14 14:00	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.6	0.42	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Potassium, Total	1200		mg/kg	260	42.	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.1	0.32	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.1	0.21	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Sodium, Total	92	J	mg/kg	210	32.	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.1	0.42	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Vanadium, Total	21		mg/kg	1.1	0.11	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG
Zinc, Total	430		mg/kg	5.3	0.74	2	07/21/14 14:37	07/22/14 11:21	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG707080-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	07/19/14 08:58	07/21/14 12:32	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG707458-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Lead, Total	0.13	J	mg/kg	2.0	0.08	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	07/21/14 14:37	07/22/14 10:55	1,6010C	MG

Project Name: 5520 BROADWAY **Lab Number:** L1416014

Project Number: 1924.0008Y **Report Date:** 07/22/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG707080-2 SRM Lot Number: 0518-10-02								
Mercury, Total	130		-		67-133	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG707458-2 SRM Lot Number: 0518-10-02					
Aluminum, Total	85	-	29-171	-	
Antimony, Total	122	-	4-196	-	
Arsenic, Total	104	-	81-119	-	
Barium, Total	100	-	83-118	-	
Beryllium, Total	104	-	83-117	-	
Cadmium, Total	98	-	82-117	-	
Calcium, Total	96	-	83-117	-	
Chromium, Total	101	-	80-119	-	
Cobalt, Total	100	-	83-117	-	
Copper, Total	101	-	83-117	-	
Iron, Total	108	-	51-150	-	
Lead, Total	95	-	80-120	-	
Magnesium, Total	97	-	74-126	-	
Manganese, Total	107	-	83-117	-	
Nickel, Total	99	-	82-117	-	
Potassium, Total	107	-	74-126	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	101	-	66-134	-	
Sodium, Total	106	-	74-127	-	
Thallium, Total	106	-	79-120	-	
Vanadium, Total	98	-	79-121	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG707458-2 SRM Lot Number: 0518-10-02					
Zinc, Total	103	-	82-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG707080-3 WG707080-4 QC Sample: L1415806-25 Client ID: MS Sample												
Mercury, Total	1.2	0.274	1.5	110		1.5	111		80-120	0		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG707458-4 QC Sample: L1416014-01 Client ID: SB-3/B-2										
Aluminum, Total	13000	192	16000	**1560**	Q	-	-	75-125	-	20
Antimony, Total	0.94J	48.1	40	83		-	-	75-125	-	20
Arsenic, Total	5.4	11.6	17	100		-	-	75-125	-	20
Barium, Total	110	192	300	99		-	-	75-125	-	20
Beryllium, Total	0.28J	4.81	4.8	100		-	-	75-125	-	20
Cadmium, Total	1.3	4.91	5.4	84		-	-	75-125	-	20
Calcium, Total	25000	963	9900	**0**	Q	-	-	75-125	-	20
Chromium, Total	24.	19.2	44	104		-	-	75-125	-	20
Cobalt, Total	8.2	48.1	50	87		-	-	75-125	-	20
Copper, Total	350	24.1	190	**0**	Q	-	-	75-125	-	20
Iron, Total	20000	96.3	22000	**2080**	Q	-	-	75-125	-	20
Lead, Total	130	49.1	120	**0**	Q	-	-	75-125	-	20
Magnesium, Total	15000	963	9900	**0**	Q	-	-	75-125	-	20
Manganese, Total	290	48.1	320	**62**	Q	-	-	75-125	-	20
Nickel, Total	20.	48.1	62	87		-	-	75-125	-	20
Potassium, Total	2900	963	3700	83		-	-	75-125	-	20
Selenium, Total	0.42J	11.6	10	86		-	-	75-125	-	20
Silver, Total	ND	28.9	28	97		-	-	75-125	-	20
Sodium, Total	88.J	963	1100	114		-	-	75-125	-	20
Thallium, Total	ND	11.6	7.6	**66**	Q	-	-	75-125	-	20
Vanadium, Total	33.	48.1	80	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG707458-4 QC Sample: L1416014-01 Client ID: SB-3/B-2										
Zinc, Total	430	48.1	280	**0**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG707458-3 QC Sample: L1416014-01 Client ID: SB-3/B-2						
Aluminum, Total	13000	12000	mg/kg	8		20
Antimony, Total	0.94J	0.83J	mg/kg	NC		20
Arsenic, Total	5.4	5.8	mg/kg	7		20
Barium, Total	110	94	mg/kg	16		20
Beryllium, Total	0.28J	0.25J	mg/kg	NC		20
Cadmium, Total	1.3	1.2	mg/kg	8		20
Calcium, Total	25000	28000	mg/kg	11		20
Chromium, Total	24.	22	mg/kg	9		20
Cobalt, Total	8.2	7.6	mg/kg	8		20
Copper, Total	350	350	mg/kg	0		20
Iron, Total	20000	20000	mg/kg	0		20
Lead, Total	130	140	mg/kg	7		20
Magnesium, Total	15000	17000	mg/kg	13		20
Manganese, Total	290	260	mg/kg	11		20
Nickel, Total	20.	19	mg/kg	5		20
Potassium, Total	2900	2500	mg/kg	15		20
Selenium, Total	0.42J	0.40J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	88.J	84J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG707458-3 QC Sample: L1416014-01 Client ID: SB-3/B-2					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	33.	31	mg/kg	6	20
Zinc, Total	430	410	mg/kg	5	20

INORGANICS
&
MISCELLANEOUS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

SAMPLE RESULTS

Lab ID: L1416014-01
Client ID: SB-3/B-2
Sample Location: 5520 BROADWAY, BRONX
Matrix: Soil

Date Collected: 07/18/14 08:40
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	07/19/14 02:19	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

SAMPLE RESULTS

Lab ID: L1416014-02
Client ID: SB-3/WSW-2
Sample Location: 5520 BROADWAY, BRONX
Matrix: Soil

Date Collected: 07/18/14 10:35
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.2		%	0.100	NA	1	-	07/19/14 02:19	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG707081-1 QC Sample: L1416014-01 Client ID: SB-3/B-2						
Solids, Total	78.4	78.1	%	0		20

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1416014
Report Date: 07/22/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1416014-01A	Amber 250ml unpreserved	A	N/A	5.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1416014-02A	Amber 250ml unpreserved	A	N/A	5.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Container Comments

L1416014-01A

L1416014-02A

*Values in parentheses indicate holding time in days

Project Name:	5520 BROADWAY	**Lab Number:**	L1416014
Project Number:	1924.0008Y	**Report Date:**	07/22/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: DU Report with 'J' Qualifiers

Project Name:	5520 BROADWAY	**Lab Number:**	L1416014
Project Number:	1924.0008Y	**Report Date:**	07/22/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1416014
Project Number: 1924.0008Y **Report Date:** 07/22/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial_No:07221414:45

Date Rec'd in Lab: 7-18-14

ALPHA Job #: L1416014

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Roux Associates Inc.
Address: 209 Shafter St. Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898
Email: JGavin@Roux-inc.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 5520 Broadway
Project Location: 5520 Broadway Bron
Project #: 192Y.0008Y
Project Manager:
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 7/22/14 Time: 48hour

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:
CAT B Deliverable

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL SVOC+20	ANALYSIS: TAL metals w/ Hg	Sample Specific Comments	TOTAL # BOTTLES
16014-01	SB-3/B-2	7/18/14	840	S	JG	X	X		
02	SB-3/WSW-2	7/18/14	1035	S	JG	X	X		

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/18/14 1155	[signature] iATL	7-18-14 1155
[signature]	7-18-14 1835	Tom Toler	7-18-14 1835
Tom Toler	7-18-14 2245	Michael Chang	7-18-14 2245

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1423685
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Wendy Monterosso
Phone:	(631) 232-2600
Project Name:	5520 BROADWAY
Project Number:	1924.0008Y
Report Date:	10/14/14

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1423685-01	PE-1	SOIL	BRONX, NY	10/07/14 08:50	10/07/14
L1423685-02	PE-2	SOIL	BRONX, NY	10/07/14 09:00	10/07/14
L1423685-03	PE-3	SOIL	BRONX, NY	10/07/14 09:30	10/07/14
L1423685-04	PE-4	SOIL	BRONX, NY	10/07/14 09:35	10/07/14
L1423685-05	PE-5	SOIL	BRONX, NY	10/07/14 09:25	10/07/14
L1423685-06	PE-6	SOIL	BRONX, NY	10/07/14 09:20	10/07/14
L1423685-07	PE-7	SOIL	BRONX, NY	10/07/14 09:10	10/07/14
L1423685-08	DUP100714-1	SOIL	BRONX, NY	10/07/14 10:00	10/07/14
L1423685-09	DUP100714-2	SOIL	BRONX, NY	10/07/14 10:05	10/07/14

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 5520 BROADWAY **Lab Number:** L1423685
Project Number: 1924.0008Y **Report Date:** 10/14/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

L1423685-06 has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1423685-01 through -09 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG729669-4 MS recoveries, performed on L1423685-01, are outside the acceptance criteria for chromium (198%), copper (235%), and nickel (138%). A post digestion spike was performed and yielded an unacceptable recovery for chromium (77%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG729669-4 MS recoveries for aluminum (0%), calcium (1020%), iron (12400%), lead (22%), magnesium (362%), manganese (340%), performed on L1423685-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG729669-3 Laboratory Duplicate RPDs, performed on L1423685-01, are outside the acceptance criteria for calcium (32%), chromium (29%), and lead (21%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 10/14/14

ORGANICS

SEMIVOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-05	Date Collected:	10/07/14 09:25
Client ID:	PE-5	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/08/14 18:41
Analytical Date:	10/12/14 10:21		
Analyst:	JB		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	260		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-05 Date Collected: 10/07/14 09:25

Client ID: PE-5 Date Received: 10/07/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	170		ug/kg	110	36.	1
Benzo(a)pyrene	230		ug/kg	150	45.	1
Benzo(b)fluoranthene	300		ug/kg	110	37.	1
Benzo(k)fluoranthene	100	J	ug/kg	110	35.	1
Chrysene	200		ug/kg	110	36.	1
Acenaphthylene	73	J	ug/kg	150	35.	1
Anthracene	37	J	ug/kg	110	31.	1
Benzo(ghi)perylene	180		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	110		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	39	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	170		ug/kg	150	41.	1
Pyrene	280		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-05	Date Collected:	10/07/14 09:25
Client ID:	PE-5	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	76		18-120

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-06	D	Date Collected:	10/07/14 09:20
Client ID:	PE-6		Date Received:	10/07/14
Sample Location:	BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	10/08/14 18:41
Analytical Date:	10/12/14 10:46			
Analyst:	JB			
Percent Solids:	87%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	280	J	ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	71.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	82.	2
2,6-Dinitrotoluene	ND		ug/kg	380	97.	2
Fluoranthene	1700		ug/kg	230	70.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	69.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	220	J	ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	80.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	99.	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-06 D Date Collected: 10/07/14 09:20

Client ID: PE-6 Date Received: 10/07/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	810		ug/kg	230	74.	2
Benzo(a)pyrene	620		ug/kg	300	93.	2
Benzo(b)fluoranthene	890		ug/kg	230	77.	2
Benzo(k)fluoranthene	260		ug/kg	230	72.	2
Chrysene	760		ug/kg	230	74.	2
Acenaphthylene	ND		ug/kg	300	71.	2
Anthracene	450		ug/kg	230	63.	2
Benzo(ghi)perylene	350		ug/kg	300	79.	2
Fluorene	ND		ug/kg	380	110	2
Phenanthrene	1700		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	82	J	ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	380		ug/kg	300	84.	2
Pyrene	1400		ug/kg	230	74.	2
Biphenyl	ND		ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	190	J	ug/kg	380	130	2
2-Methylnaphthalene	ND		ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	820	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	ND		ug/kg	380	82.	2

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-06	D	Date Collected:	10/07/14 09:20
Client ID:	PE-6		Date Received:	10/07/14
Sample Location:	BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**14**	Q	25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	2		0-136
4-Terphenyl-d14	62		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-07	Date Collected:	10/07/14 09:10
Client ID:	PE-7	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/08/14 18:41
Analytical Date:	10/12/14 11:11		
Analyst:	JB		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	190	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	39.	1
Dimethyl phthalate	ND		ug/kg	190	47.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-07 Date Collected: 10/07/14 09:10

Client ID: PE-7 Date Received: 10/07/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	52.	1
3-Nitroaniline	ND		ug/kg	190	51.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-07	Date Collected:	10/07/14 09:10
Client ID:	PE-7	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	55		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-08	Date Collected:	10/07/14 10:00
Client ID:	DUP100714-1	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/08/14 18:41
Analytical Date:	10/12/14 11:37		
Analyst:	JB		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	ND		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-08 Date Collected: 10/07/14 10:00

Client ID: DUP100714-1 Date Received: 10/07/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	59.	1
2,4-Dinitrophenol	ND		ug/kg	870	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-08	Date Collected:	10/07/14 10:00
Client ID:	DUP100714-1	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	80		0-136
4-Terphenyl-d14	68		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/14 18:55
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/08/14 18:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG729329-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/14 18:55
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/08/14 18:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG729329-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/14 18:55
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/08/14 18:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG729329-1					
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	104		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG729329-2 WG729329-3								
Acenaphthene	87		91		31-137	4		50
1,2,4-Trichlorobenzene	79		82		38-107	4		50
Hexachlorobenzene	100		108		40-140	8		50
Bis(2-chloroethyl)ether	74		73		40-140	1		50
2-Chloronaphthalene	93		98		40-140	5		50
1,2-Dichlorobenzene	73		74		40-140	1		50
1,3-Dichlorobenzene	70		71		40-140	1		50
1,4-Dichlorobenzene	70		71		28-104	1		50
3,3'-Dichlorobenzidine	75		82		40-140	9		50
2,4-Dinitrotoluene	**90**	Q	**100**	Q	28-89	11		50
2,6-Dinitrotoluene	99		105		40-140	6		50
Fluoranthene	94		103		40-140	9		50
4-Chlorophenyl phenyl ether	91		100		40-140	9		50
4-Bromophenyl phenyl ether	94		103		40-140	9		50
Bis(2-chloroisopropyl)ether	70		71		40-140	1		50
Bis(2-chloroethoxy)methane	87		83		40-117	5		50
Hexachlorobutadiene	84		87		40-140	4		50
Hexachlorocyclopentadiene	113		112		40-140	1		50
Hexachloroethane	77		77		40-140	0		50
Isophorone	94		91		40-140	3		50
Naphthalene	78		78		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG729329-2 WG729329-3								
Nitrobenzene	82		80		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	94		102			8		50
n-Nitrosodi-n-propylamine	89		87		32-121	2		50
Bis(2-Ethylhexyl)phthalate	88		94		40-140	7		50
Butyl benzyl phthalate	92		100		40-140	8		50
Di-n-butylphthalate	92		100		40-140	8		50
Di-n-octylphthalate	87		92		40-140	6		50
Diethyl phthalate	94		102		40-140	8		50
Dimethyl phthalate	90		97		40-140	7		50
Benzo(a)anthracene	91		96		40-140	5		50
Benzo(a)pyrene	93		100		40-140	7		50
Benzo(b)fluoranthene	84		92		40-140	9		50
Benzo(k)fluoranthene	95		102		40-140	7		50
Chrysene	95		100		40-140	5		50
Acenaphthylene	97		101		40-140	4		50
Anthracene	100		106		40-140	6		50
Benzo(ghi)perylene	89		95		40-140	7		50
Fluorene	93		98		40-140	5		50
Phenanthrene	90		96		40-140	6		50
Dibenzo(a,h)anthracene	90		98		40-140	9		50
Indeno(1,2,3-cd)Pyrene	88		94		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG729329-2 WG729329-3								
Pyrene	94		102		35-142	8		50
Biphenyl	86		90			5		50
4-Chloroaniline	89		93		40-140	4		50
2-Nitroaniline	94		100		47-134	6		50
3-Nitroaniline	71		78		26-129	9		50
4-Nitroaniline	77		83		41-125	8		50
Dibenzofuran	88		94		40-140	7		50
2-Methylnaphthalene	87		89		40-140	2		50
1,2,4,5-Tetrachlorobenzene	85		88		40-117	3		50
Acetophenone	88		84		14-144	5		50
2,4,6-Trichlorophenol	97		103		30-130	6		50
P-Chloro-M-Cresol	95		100		26-103	5		50
2-Chlorophenol	84		83		25-102	1		50
2,4-Dichlorophenol	90		92		30-130	2		50
2,4-Dimethylphenol	108		106		30-130	2		50
2-Nitrophenol	90		87		30-130	3		50
4-Nitrophenol	84		105		11-114	22		50
2,4-Dinitrophenol	53		68		4-130	25		50
4,6-Dinitro-o-cresol	87		99		10-130	13		50
Pentachlorophenol	90		102		17-109	13		50
Phenol	78		75		26-90	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG729329-2 WG729329-3								
2-Methylphenol	91		86		30-130.	6		50
3-Methylphenol/4-Methylphenol	87		84		30-130	4		50
2,4,5-Trichlorophenol	94		107		30-130	13		50
Benzoic Acid	27		36			29		50
Benzyl Alcohol	92		84		40-140	9		50
Carbazole	90		98		54-128	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		81		25-120
Phenol-d6	97		92		10-120
Nitrobenzene-d5	93		85		23-120
2-Fluorobiphenyl	94		92		30-120
2,4,6-Tribromophenol	109		115		0-136
4-Terphenyl-d14	96		101		18-120

PESTICIDES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-01	Date Collected:	10/07/14 08:50
Client ID:	PE-1	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/08/14 17:02
Analytical Date:	10/10/14 12:25	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/09/14
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.746	0.334	1	A
Alpha-BHC	ND		ug/kg	0.746	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.679	1	A
Heptachlor	ND		ug/kg	0.895	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.746	0.306	1	A
Endrin ketone	ND		ug/kg	1.79	0.461	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.639	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.423	1	A
Endosulfan II	ND		ug/kg	1.79	0.598	1	A
Endosulfan sulfate	ND		ug/kg	0.746	0.355	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.40	1	A
cis-Chlordane	ND		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND		ug/kg	2.24	0.591	1	A
Chlordane	ND		ug/kg	14.6	5.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-02	Date Collected:	10/07/14 09:00
Client ID:	PE-2	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/08/14 17:02
Analytical Date:	10/10/14 12:38	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/09/14
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.634	1	A
Heptachlor	ND		ug/kg	0.836	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.940	1	A
Endrin	ND		ug/kg	0.696	0.286	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	1.61	P	ug/kg	1.04	0.522	1	B
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	1.02	J	ug/kg	1.67	0.596	1	A
4,4'-DDT	2.98	J	ug/kg	3.13	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.395	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.332	1	A
Methoxychlor	ND		ug/kg	3.13	0.975	1	A
Toxaphene	ND		ug/kg	31.3	8.78	1	A
cis-Chlordane	ND		ug/kg	2.09	0.582	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	13.6	5.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-03	Date Collected:	10/07/14 09:30
Client ID:	PE-3	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/08/14 17:02
Analytical Date:	10/10/14 12:50	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/09/14
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	1.10		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	1.10	J	ug/kg	3.29	0.986	1	B
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	1.28		ug/kg	1.10	0.548	1	A
4,4'-DDE	9.52		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	3.90		ug/kg	3.29	1.41	1	B
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	3.50	P	ug/kg	2.19	0.611	1	A
trans-Chlordane	4.99	P	ug/kg	2.19	0.579	1	B
Chlordane	39.1		ug/kg	14.2	5.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-04	Date Collected:	10/07/14 09:35
Client ID:	PE-4	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/08/14 17:02
Analytical Date:	10/10/14 13:03	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/09/14
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.651	1	A
Heptachlor	ND		ug/kg	0.858	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	1.08		ug/kg	1.07	0.536	1	A
4,4'-DDE	2.18		ug/kg	1.72	0.397	1	A
4,4'-DDD	0.983	J	ug/kg	1.72	0.612	1	B
4,4'-DDT	3.14	J	ug/kg	3.22	1.38	1	B
Endosulfan I	ND		ug/kg	1.72	0.405	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.01	1	A
cis-Chlordane	ND		ug/kg	2.14	0.598	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID:	L1423685-09	Date Collected:	10/07/14 10:05
Client ID:	DUP100714-2	Date Received:	10/07/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/08/14 17:02
Analytical Date:	10/10/14 13:16	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	10/09/14
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.342	1	A
Lindane	ND		ug/kg	0.727	0.325	1	A
Alpha-BHC	ND		ug/kg	0.727	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.662	1	A
Heptachlor	0.837	J	ug/kg	0.873	0.391	1	A
Aldrin	ND		ug/kg	1.74	0.615	1	A
Heptachlor epoxide	1.44	J	ug/kg	3.27	0.982	1	B
Endrin	ND		ug/kg	0.727	0.298	1	A
Endrin ketone	ND		ug/kg	1.74	0.450	1	A
Dieldrin	1.58		ug/kg	1.09	0.546	1	B
4,4'-DDE	11.0		ug/kg	1.74	0.404	1	A
4,4'-DDD	ND		ug/kg	1.74	0.623	1	A
4,4'-DDT	4.98		ug/kg	3.27	1.40	1	B
Endosulfan I	ND		ug/kg	1.74	0.412	1	A
Endosulfan II	ND		ug/kg	1.74	0.583	1	A
Endosulfan sulfate	ND		ug/kg	0.727	0.346	1	A
Methoxychlor	ND		ug/kg	3.27	1.02	1	A
Toxaphene	ND		ug/kg	32.7	9.16	1	A
cis-Chlordane	4.03	P	ug/kg	2.18	0.608	1	A
trans-Chlordane	3.86	PI	ug/kg	2.18	0.576	1	A
Chlordane	29.0	PI	ug/kg	14.2	5.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/10/14 11:47
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 10/08/14 17:02
Cleanup Method: EPA 3620B
Cleanup Date: 10/09/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,09 Batch: WG729301-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.883	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.981	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	12.8	5.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	76		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,09 Batch: WG729301-2 WG729301-3									
Delta-BHC	82		89		30-150	8		30	A
Lindane	88		97		30-150	10		30	A
Alpha-BHC	81		88		30-150	8		30	A
Beta-BHC	89		96		30-150	8		30	A
Heptachlor	87		94		30-150	8		30	A
Aldrin	88		95		30-150	8		30	A
Heptachlor epoxide	86		93		30-150	8		30	A
Endrin	90		100		30-150	11		30	A
Endrin ketone	68		73		30-150	7		30	A
Dieldrin	90		98		30-150	9		30	A
4,4'-DDE	85		92		30-150	8		30	A
4,4'-DDD	85		93		30-150	9		30	A
4,4'-DDT	79		87		30-150	10		30	A
Endosulfan I	82		89		30-150	8		30	A
Endosulfan II	74		80		30-150	8		30	A
Endosulfan sulfate	75		80		30-150	6		30	A
Methoxychlor	70		75		30-150	7		30	A
cis-Chlordane	81		87		30-150	7		30	A
trans-Chlordane	86		92		30-150	7		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,09 Batch: WG729301-2 WG729301-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		82		30-150	B
Decachlorobiphenyl	73		83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		84		30-150	A
Decachlorobiphenyl	75		84		30-150	A

METALS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-01
Client ID: PE-1
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 10/07/14 08:50
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	9.0	1.8	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Antimony, Total	1.8	J	mg/kg	4.5	0.72	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Arsenic, Total	2.5		mg/kg	0.90	0.18	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Barium, Total	95		mg/kg	0.90	0.27	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Beryllium, Total	0.58		mg/kg	0.45	0.09	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Cadmium, Total	0.32	J	mg/kg	0.90	0.06	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Calcium, Total	13000		mg/kg	9.0	2.7	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Chromium, Total	24		mg/kg	0.90	0.18	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Cobalt, Total	7.6		mg/kg	1.8	0.45	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Copper, Total	40		mg/kg	0.90	0.18	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.5	1.8	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Lead, Total	210		mg/kg	4.5	0.18	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Magnesium, Total	6800		mg/kg	9.0	0.90	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Manganese, Total	290		mg/kg	0.90	0.18	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Mercury, Total	0.21		mg/kg	0.08	0.02	1	10/08/14 09:38	10/08/14 15:07	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.36	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Potassium, Total	2000		mg/kg	230	36.	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Selenium, Total	0.52	J	mg/kg	1.8	0.27	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Silver, Total	0.27	J	mg/kg	0.90	0.18	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	27.	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Vanadium, Total	30		mg/kg	0.90	0.09	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	4.5	0.63	2	10/09/14 17:18	10/10/14 08:59	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-02
Client ID: PE-2
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 10/07/14 09:00
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	8.5	1.7	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Antimony, Total	1.4	J	mg/kg	4.3	0.68	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Arsenic, Total	1.2		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.85	0.26	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.43	0.09	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Cadmium, Total	0.12	J	mg/kg	0.85	0.06	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Calcium, Total	11000		mg/kg	8.5	2.6	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Chromium, Total	22		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Cobalt, Total	6.9		mg/kg	1.7	0.43	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Copper, Total	26		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.3	1.7	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Lead, Total	450		mg/kg	4.3	0.17	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Magnesium, Total	8900		mg/kg	8.5	0.85	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Mercury, Total	0.10		mg/kg	0.07	0.02	1	10/08/14 09:38	10/08/14 15:09	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.1	0.34	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Potassium, Total	1800		mg/kg	210	34.	2	10/09/14 17:18	10/11/14 11:32	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.26	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Silver, Total	0.20	J	mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Sodium, Total	110	J	mg/kg	170	26.	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Vanadium, Total	27		mg/kg	0.85	0.09	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG
Zinc, Total	120		mg/kg	4.3	0.60	2	10/09/14 17:18	10/10/14 10:40	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-03
Client ID: PE-3
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 10/07/14 09:30
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9000		mg/kg	8.5	1.7	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Antimony, Total	1.4	J	mg/kg	4.2	0.68	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Arsenic, Total	5.8		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	0.85	0.25	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Beryllium, Total	0.29	J	mg/kg	0.42	0.09	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.85	0.06	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Calcium, Total	51000		mg/kg	8.5	2.5	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Cobalt, Total	6.2		mg/kg	1.7	0.42	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Copper, Total	31		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.2	1.7	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Lead, Total	38		mg/kg	4.2	0.17	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Magnesium, Total	6800		mg/kg	8.5	0.85	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Manganese, Total	230		mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Mercury, Total	0.10		mg/kg	0.07	0.02	1	10/08/14 09:38	10/08/14 15:11	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.1	0.34	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Potassium, Total	2700		mg/kg	210	34.	2	10/09/14 17:18	10/11/14 11:35	EPA 3050B	1,6010C	BC
Selenium, Total	0.47	J	mg/kg	1.7	0.25	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Silver, Total	0.30	J	mg/kg	0.85	0.17	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Sodium, Total	260		mg/kg	170	25.	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Vanadium, Total	26		mg/kg	0.85	0.09	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG
Zinc, Total	81		mg/kg	4.2	0.59	2	10/09/14 17:18	10/10/14 10:44	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-04
Client ID: PE-4
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 10/07/14 09:35
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.8	1.8	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Antimony, Total	1.7	J	mg/kg	4.4	0.70	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Arsenic, Total	3.0		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Barium, Total	110		mg/kg	0.88	0.26	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.44	0.09	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Cadmium, Total	0.21	J	mg/kg	0.88	0.06	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Calcium, Total	26000		mg/kg	8.8	2.6	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Chromium, Total	28		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Cobalt, Total	7.7		mg/kg	1.8	0.44	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Iron, Total	17000		mg/kg	4.4	1.8	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Lead, Total	130		mg/kg	4.4	0.18	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Magnesium, Total	9000		mg/kg	8.8	0.88	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Manganese, Total	300		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Mercury, Total	0.16		mg/kg	0.08	0.02	1	10/08/14 09:38	10/08/14 15:13	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	2.2	0.35	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Potassium, Total	2700		mg/kg	220	35.	2	10/09/14 17:18	10/11/14 11:39	EPA 3050B	1,6010C	BC
Selenium, Total	0.84	J	mg/kg	1.8	0.26	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Sodium, Total	350		mg/kg	180	26.	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Vanadium, Total	31		mg/kg	0.88	0.09	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	4.4	0.62	2	10/09/14 17:18	10/10/14 10:48	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-05
Client ID: PE-5
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 10/07/14 09:25
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	8.6	1.7	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Antimony, Total	2.1	J	mg/kg	4.3	0.69	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.86	0.17	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Barium, Total	140		mg/kg	0.86	0.26	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Beryllium, Total	0.33	J	mg/kg	0.43	0.09	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Cadmium, Total	0.17	J	mg/kg	0.86	0.06	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Calcium, Total	22000		mg/kg	8.6	2.6	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Chromium, Total	29		mg/kg	0.86	0.17	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Cobalt, Total	9.6		mg/kg	1.7	0.43	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Copper, Total	69		mg/kg	0.86	0.17	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Iron, Total	20000		mg/kg	4.3	1.7	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Lead, Total	460		mg/kg	4.3	0.17	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Magnesium, Total	10000		mg/kg	8.6	0.86	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Manganese, Total	340		mg/kg	0.86	0.17	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Mercury, Total	0.22		mg/kg	0.07	0.02	1	10/08/14 09:38	10/08/14 15:15	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.2	0.34	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Potassium, Total	4000		mg/kg	220	34.	2	10/09/14 17:18	10/11/14 11:59	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.26	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.86	0.17	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Sodium, Total	130	J	mg/kg	170	26.	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Vanadium, Total	36		mg/kg	0.86	0.09	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG
Zinc, Total	150		mg/kg	4.3	0.60	2	10/09/14 17:18	10/10/14 10:52	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-06
Client ID: PE-6
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/07/14 09:20
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8200		mg/kg	8.7	1.7	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Antimony, Total	0.90	J	mg/kg	4.3	0.70	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Arsenic, Total	2.6		mg/kg	0.87	0.17	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Barium, Total	100		mg/kg	0.87	0.26	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Beryllium, Total	0.23	J	mg/kg	0.43	0.09	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Cadmium, Total	0.12	J	mg/kg	0.87	0.06	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Calcium, Total	59000		mg/kg	8.7	2.6	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Chromium, Total	17		mg/kg	0.87	0.17	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Cobalt, Total	5.8		mg/kg	1.7	0.43	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Copper, Total	36		mg/kg	0.87	0.17	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.3	1.7	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Lead, Total	47		mg/kg	4.3	0.17	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Magnesium, Total	9200		mg/kg	8.7	0.87	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Manganese, Total	220		mg/kg	0.87	0.17	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Mercury, Total	0.12		mg/kg	0.07	0.02	1	10/08/14 09:38	10/08/14 15:16	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.35	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Potassium, Total	2800		mg/kg	220	35.	2	10/09/14 17:18	10/11/14 12:03	EPA 3050B	1,6010C	BC
Selenium, Total	0.44	J	mg/kg	1.7	0.26	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.87	0.17	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Sodium, Total	420		mg/kg	170	26.	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.35	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Vanadium, Total	26		mg/kg	0.87	0.09	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG
Zinc, Total	71		mg/kg	4.3	0.61	2	10/09/14 17:18	10/10/14 10:55	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-07
Client ID: PE-7
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 10/07/14 09:10
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	17000		mg/kg	8.8	1.8	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Antimony, Total	1.8	J	mg/kg	4.4	0.70	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	0.88	0.26	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Beryllium, Total	0.24	J	mg/kg	0.44	0.09	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Calcium, Total	3000		mg/kg	8.8	2.6	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Chromium, Total	25		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Cobalt, Total	14		mg/kg	1.8	0.44	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Copper, Total	56		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Iron, Total	27000		mg/kg	4.4	1.8	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Lead, Total	24		mg/kg	4.4	0.18	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Magnesium, Total	7400		mg/kg	8.8	0.88	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Manganese, Total	360		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Mercury, Total	0.15		mg/kg	0.08	0.02	1	10/08/14 09:38	10/08/14 15:18	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.2	0.35	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Potassium, Total	4800		mg/kg	220	35.	2	10/09/14 17:18	10/11/14 12:07	EPA 3050B	1,6010C	BC
Selenium, Total	0.45	J	mg/kg	1.8	0.26	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.88	0.18	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Sodium, Total	91	J	mg/kg	180	26.	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Vanadium, Total	51		mg/kg	0.88	0.09	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG
Zinc, Total	86		mg/kg	4.4	0.61	2	10/09/14 17:18	10/10/14 10:59	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-08
Client ID: DUP100714-1
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 90%

Date Collected: 10/07/14 10:00
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	11000		mg/kg	8.4	1.7	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Antimony, Total	0.70	J	mg/kg	4.2	0.67	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Arsenic, Total	0.70	J	mg/kg	0.84	0.17	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Barium, Total	84		mg/kg	0.84	0.25	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Beryllium, Total	0.25	J	mg/kg	0.42	0.08	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.84	0.06	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Calcium, Total	1600		mg/kg	8.4	2.5	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Chromium, Total	19		mg/kg	0.84	0.17	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Cobalt, Total	8.4		mg/kg	1.7	0.42	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Copper, Total	25		mg/kg	0.84	0.17	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Iron, Total	17000		mg/kg	4.2	1.7	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Lead, Total	17		mg/kg	4.2	0.17	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Magnesium, Total	4500		mg/kg	8.4	0.84	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.84	0.17	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Mercury, Total	0.16		mg/kg	0.08	0.02	1	10/08/14 09:38	10/08/14 15:20	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.1	0.34	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Potassium, Total	2400		mg/kg	210	34.	2	10/09/14 17:18	10/11/14 12:10	EPA 3050B	1,6010C	BC
Selenium, Total	0.36	J	mg/kg	1.7	0.25	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.84	0.17	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Sodium, Total	67	J	mg/kg	170	25.	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Vanadium, Total	31		mg/kg	0.84	0.08	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG
Zinc, Total	55		mg/kg	4.2	0.59	2	10/09/14 17:18	10/10/14 11:03	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-09
Client ID: DUP100714-2
Sample Location: BRONX, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/07/14 10:05
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8900		mg/kg	8.9	1.8	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Antimony, Total	0.76	J	mg/kg	4.5	0.72	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Arsenic, Total	3.0		mg/kg	0.89	0.18	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	0.89	0.27	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Beryllium, Total	0.20	J	mg/kg	0.45	0.09	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.89	0.06	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	8.9	2.7	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Chromium, Total	23		mg/kg	0.89	0.18	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.8	0.45	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.89	0.18	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Iron, Total	14000		mg/kg	4.5	1.8	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Lead, Total	35		mg/kg	4.5	0.18	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Magnesium, Total	7000		mg/kg	8.9	0.89	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Manganese, Total	210		mg/kg	0.89	0.18	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Mercury, Total	0.08		mg/kg	0.08	0.02	1	10/08/14 09:38	10/08/14 15:22	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.2	0.36	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Potassium, Total	3700		mg/kg	220	36.	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Selenium, Total	0.83	J	mg/kg	1.8	0.27	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Sodium, Total	270		mg/kg	180	27.	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Vanadium, Total	30		mg/kg	0.89	0.09	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG
Zinc, Total	67		mg/kg	4.5	0.63	2	10/09/14 17:18	10/10/14 14:13	EPA 3050B	1,6010C	MG

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-09 Batch: WG729001-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/08/14 09:38	10/08/14 14:30	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-09 Batch: WG729669-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Arsenic, Total	0.10	J	mg/kg	0.40	0.08	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Chromium, Total	0.22	J	mg/kg	0.40	0.08	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/09/14 17:18	10/10/14 08:51	1,6010C	MG

Project Name: 5520 BROADWAY **Lab Number:** L1423685

Project Number: 1924.0008Y **Report Date:** 10/14/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG729001-2 SRM Lot Number: D083-540								
Mercury, Total	118		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG729669-2 SRM Lot Number: D083-540					
Aluminum, Total	75	-	51-148	-	
Antimony, Total	155	-	1-210	-	
Arsenic, Total	98	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	99	-	82-118	-	
Cadmium, Total	95	-	82-118	-	
Calcium, Total	91	-	82-118	-	
Chromium, Total	90	-	79-121	-	
Cobalt, Total	96	-	83-117	-	
Copper, Total	96	-	80-120	-	
Iron, Total	86	-	47-153	-	
Lead, Total	97	-	81-119	-	
Magnesium, Total	86	-	75-124	-	
Manganese, Total	95	-	81-119	-	
Nickel, Total	94	-	82-118	-	
Potassium, Total	80	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	96	-	74-125	-	
Sodium, Total	89	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	92	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 Batch: WG729669-2 SRM Lot Number: D083-540					
Zinc, Total	92	-	80-121	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729001-4 QC Sample: L1423678-01 Client ID: MS Sample												
Mercury, Total	ND	0.149	ND	**0**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729669-4 QC Sample: L1423685-01 Client ID: PE-1										
Aluminum, Total	11000	177	10000	**0**	Q	-	-	75-125	-	20
Antimony, Total	1.8J	44.2	39	88		-	-	75-125	-	20
Arsenic, Total	2.5	10.6	14	108		-	-	75-125	-	20
Barium, Total	95.	177	260	93		-	-	75-125	-	20
Beryllium, Total	0.58	4.42	4.4	86		-	-	75-125	-	20
Cadmium, Total	0.32J	4.5	4.4	98		-	-	75-125	-	20
Calcium, Total	13000	883	22000	**1020**	Q	-	-	75-125	-	20
Chromium, Total	24.	17.7	59	**198**	Q	-	-	75-125	-	20
Cobalt, Total	7.6	44.2	48	91		-	-	75-125	-	20
Copper, Total	40.	22.1	92	**235**	Q	-	-	75-125	-	20
Iron, Total	20000	88.3	31000	**12400**	Q	-	-	75-125	-	20
Lead, Total	210	45	220	**22**	Q	-	-	75-125	-	20
Magnesium, Total	6800	883	10000	**362**	Q	-	-	75-125	-	20
Manganese, Total	290	44.2	440	**340**	Q	-	-	75-125	-	20
Nickel, Total	17.	44.2	78	**138**	Q	-	-	75-125	-	20
Potassium, Total	2000	883	2800	90		-	-	75-125	-	20
Selenium, Total	0.52J	10.6	10	94		-	-	75-125	-	20
Silver, Total	0.27J	26.5	26	98		-	-	75-125	-	20
Sodium, Total	320	883	1200	100		-	-	75-125	-	20
Thallium, Total	ND	10.6	8.7	82		-	-	75-125	-	20
Vanadium, Total	30.	44.2	69	88		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729669-4 QC Sample: L1423685-01 Client ID: PE-1									
Zinc, Total	140	44.2	180	90	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729001-3 QC Sample: L1423678-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729669-3 QC Sample: L1423685-01 Client ID: PE-1						
Aluminum, Total	11000	11000	mg/kg	0		20
Antimony, Total	1.8J	1.3J	mg/kg	NC		20
Arsenic, Total	2.5	2.9	mg/kg	15		20
Barium, Total	95.	110	mg/kg	15		20
Beryllium, Total	0.58	0.30J	mg/kg	NC		20
Cadmium, Total	0.32J	0.19J	mg/kg	NC		20
Calcium, Total	13000	18000	mg/kg	**32**	Q	20
Chromium, Total	24.	32	mg/kg	**29**	Q	20
Cobalt, Total	7.6	7.2	mg/kg	5		20
Copper, Total	40.	42	mg/kg	5		20
Iron, Total	20000	18000	mg/kg	11		20
Lead, Total	210	170	mg/kg	**21**	Q	20
Magnesium, Total	6800	8100	mg/kg	17		20
Manganese, Total	290	320	mg/kg	10		20
Nickel, Total	17.	16	mg/kg	6		20
Potassium, Total	2000	2100	mg/kg	5		20
Selenium, Total	0.52J	0.62J	mg/kg	NC		20
Silver, Total	0.27J	0.20J	mg/kg	NC		20
Sodium, Total	320	340	mg/kg	6		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729669-3 QC Sample: L1423685-01 Client ID: PE-1					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	30.	30	mg/kg	0	20
Zinc, Total	140	120	mg/kg	15	20

INORGANICS
&
MISCELLANEOUS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-01
Client ID: PE-1
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 08:50
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-02
Client ID: PE-2
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 09:00
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-03
Client ID: PE-3
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 09:30
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-04
Client ID: PE-4
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 09:35
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-05
Client ID: PE-5
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 09:25
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-06
Client ID: PE-6
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 09:20
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-07
Client ID: PE-7
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 09:10
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-08
Client ID: DUP100714-1
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 10:00
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

SAMPLE RESULTS

Lab ID: L1423685-09
Client ID: DUP100714-2
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/07/14 10:05
Date Received: 10/07/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	10/09/14 12:10	30,2540G	SG

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG729562-1 QC Sample: L1423757-01 Client ID: DUP Sample						
Solids, Total	87.4	87.5	%	0		20

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423685-01A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423685-02A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423685-03A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423685-04A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423685-05A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423685-06A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423685-07A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423685-08A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423685
Report Date: 10/14/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423685-09A	Glass 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	5520 BROADWAY	**Lab Number:**	L1423685
Project Number:	1924.0008Y	**Report Date:**	10/14/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	5520 BROADWAY	**Lab Number:**	L1423685
Project Number:	1924.0008Y	**Report Date:**	10/14/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1423685
Project Number: 1924.0008Y **Report Date:** 10/14/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/7/14

ALPHA Job #: L1423685

Client Information
Client: Roux Associates
Address: 209 Shafter St. Islandia NY
Phone: 631-232-2600
Fax: 631-232-9898
Email: wmonterosso@Rouxinc.com

Project Information
Project Name: 5520 Broadway
Project Location: Bronx, NY
Project #: 1924.00084
(Use Project name as Project #) ☐
Project Manager: Wendy Monterosso
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date: 10/14/14
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☒ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL SVOC	TAL metals	Pesticides						Sample Specific Comments	Total Bottle
23685-01	PE-1	10/7/14	0850	S	JG		X	X							1
02	PE-2	10/7/14	0900	S	JG		X	X							1
03	PE-3	10/7/14	0930	S	JG		X	X							1
04	PE-4	10/7/14	0935	S	JG		X	X							1
05	PE-5	10/7/14	0925	S	JG	X	X								1
06	PE-6	10/7/14	0920	S	JG	X	X								1
07	PE-7	10/7/14	0910	S	JG	X	X								1
08	DUP100714-1	10/7/14	1000	S	JG	X	X								1
09	DUP100714-2	10/7/14	1005	S	JG		X	X							1

Container Type	G	G							
Preservative									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/7/14 1511	[signature] AAL	10-7-14 1511
[signature]	10-7-14 1835	Tom Tolen	10-7-14 1835
Tom Tolen	10-7-14	[signature]	10/7/14 2300

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX G

Disposal Facility Approval and
Approval Letters

BAYSHORE
Soil Management, LLC
75 Crows Mill Road, P.O. Box 290
Keasbey, New Jersey 08832
Phone: (732) 738-6000 • Fax: (732) 738-0620
www.bayshorerecycling.com

July 15, 2014

Ms. Marina Rodrigues
President
Oracle Trucking, Inc.
PO Box 664
New Monmouth, NJ 07748

RE: Broadway Plaza Out-Parcel
5530 Broadway
Bronx NY, 10463

Dear Ms. Rodrigues:

Bayshore Soil Management, LLC (BSM) has reviewed the provided analytical results for the Broadway Plaza Out-Parcel site in the Bronx, NY. In review of Test America analytical data report: 460-70573-1 with samples WCN and WCS, BSM has identified that soils appear to meet our acceptance criteria for Urban Fill/Contaminated soils. This decision was based on the submitted generator waste profile and analytical testing results stemming from site remedial investigation work.

Bayshore Soil Management, LLC can only accept non-hazardous contaminated soil and based on our review of the soil chemistry data, the material is acceptable under the guidelines of our operating permits.

This job is currently approved for up to 1,950T under **BSM# 2714-0636**. Should you have any questions or require further information, please do not hesitate to contact me at 732-738-6000.

Sincerely,

K. A. Lacerda

Kassandra Lacerda
Compliance Manager

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

MAIL CODE 401-02C
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
CLIMATE AND ENVIRONMENTAL MANAGEMENT
SOLID AND HAZARDOUS WASTE MANAGEMENT PROGRAM
401 EAST STATE STREET, 2ND FLOOR WEST
P.O. BOX 420
TRENTON, NJ 08625-0420
Telephone: (609) 292-9880 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw/permitting.htm

BOB MARTIN
Commissioner

RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS FOR CONCRETE, ASPHALT, BRICK, BLOCK, SLAG, GLASS CULLET PETROLEUM CONTAMINATED SOILS, STREET SWEEPINGS, POTABLE WATER TREATMENT RESIDUALS, CARBON FILTRATION MEDIA & UNTREATED WOOD

Under the provisions of N.J.S.A. 13:1E-1 *et seq.* and N.J.S.A. 13:1E-99.11 *et seq.*, known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 *et seq.*, known as the Recycling Regulations, this approval is hereby issued to:

Bayshore Recycling Corp.

Facility Type:	Recycling Center for Class B Materials
Lot & Block Nos.:	Lots 1, 1-B, 1-R, 2-B & 2-C; Block 51 Lot 1; Block 52 Lots 3-B, 3-R & 4-B; Block 41-C
Municipality:	Township of Woodbridge
County:	Middlesex
Facility ID No.:	132397
Permit No.:	CBG110002

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department.

December 6, 2007
Issuance Date

August 2, 2011
Modification Date

February 1, 2012
Expiration Date

Anthony Fontana, Chief
Bureau of Transfer Stations &
Recycling Facilities

State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Solid & Hazardous Waste Management Program
Bureau of Transfer Stations & Recycling Facilities
Mail Code 401-02C – 401 East State Street
P.O. Box 420
Trenton, New Jersey 08625-0414
Telephone: (609) 292-9880 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

February 1, 2012

Valerie Montecalvo
Bayshore Recycling Corp.
75 Crows Mill Road
P.O. Box 290
Keasbey, New Jersey 08832

Re: Notice of Administrative Completeness
Application for Renewal of a Recycling Center General Approval for Class B Materials
Bayshore Recycling Corp.
Block 51, Lots 1, 1-B, 1-R, 2-B and 2-C
Block 52, Lot 1
Block 41C, Lots 3-B, 3-R and 4-B
Township of Woodbridge, Middlesex County
Facility ID No.: 132397
Permit No.: CBG110004

Dear Ms. Montecalvo:

The Bureau of Transfer Stations & Recycling Facilities (the Bureau) is in receipt of a Class B Recycling Center General Approval renewal application received on December 6, 2011 for the above referenced facility. The application proposes no changes to the currently authorized operations.

The Bureau has completed a review of the application to determine if the submittal is administratively complete pursuant to N.J.A.C. 7:26A-3.5. Upon review, the Bureau has determined the application for renewal of the Class B Recycling Center General Approval is ADMINISTRATIVELY COMPLETE.

Since the Bureau has determined the renewal application is administratively complete, all conditions of the existing General Approval for the facility will remain effective pursuant to N.J.A.C. 7:26A-3.6(e).

If you have any questions concerning this matter, please contact Dawn Slawsky of my staff at (609) 292-4393, or by email at dawn.slawsky@dep.state.nj.us.

Very truly yours,

Anthony Fontana, Chief
Bureau of Transfer Stations & Recycling Facilities

c: Deborah Pinto, SW Compliance and Enforcement Bureau Chief
Brian Petitt, SW Compliance and Enforcement Supervisor
Jim Scully, SW Compliance and Enforcement Inspector
Bruce Witkowski, Supervisor, BTS&RF
Richard Hills, Middlesex County Solid Waste Management Official
Chris Sikorski, Middlesex County Recycling Coordinator
Middlesex County CEHA Agent
Municipal Clerk, Township of Woodbridge
Jennifer Solewski, Bayshore Recycling Corp.
Gary Sondermeyer, Bayshore Recycling Corp.

APPENDIX H

Shipping and Disposal Manifests

APPENDIX H-1

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 366241
Date: 7/24/2014
Time: 08:33:57 - 08:34:00

Customer: ORACLE TRUCKING, INC./BSM0005
PO BOX 664
NEW MONMOUTH, NJ 07748-

Gross: 84820 lb In Scale 2
Tare: 27340 lb P.T.
Net: 57480 lb

Truck: AP235S
CUYDs: 25
License: AP235S
Truck Type: TRIAXLE

Carrier: DSM TRUCKING LLC

Manifest: E0038703
Remaining: 0.00 TN

Profile: 2714-0636/BROADWAY PLAZA OUT - PARCEL
Generator: BROADWAY PLAZA OUT - PARCEL
Comment:

Origin	Materials & Services	Quantity	Unit
Bronx	ID27 PCS	28.74	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 366262
Date: 7/24/2014
Time: 09:14:05 - 09:14:09

Customer: ORACLE TRUCKING, INC./BSM0005
PO BOX 664
NEW MONMOUTH, NJ 07748-

Truck: AR439C

Carrier: DSM TRUCKING LLC

Profile: 2714-0636/BROADWAY PLAZA OUT - PARCEL
Generator: BROADWAY PLAZA OUT - PARCEL
Comment:

		Scale
Gross:	87440 lb In	Scale 1
Tare:	27240 lb	P.T.
Net:	60200 lb	

CUYDs: 25
License: AR439C
Truck Type: TRIAXLE

Manifest: E0038739
Remaining: 0.00 TN

Origin	Materials & Services	Quantity	Unit
Bronx	ID27 PCS	30.10	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

Bayshore Recycling Corp.
75 Crows Mill Rd
PO Box 290
Keasbey, NJ 08832

Facility ID: 132397

Ticket: 366394
Date: 7/24/2014
Time: 12:29:24 - 12:29:27

Customer: ORACLE TRUCKING, INC./BSM0005
PO BOX 664
NEW MONMOUTH, NJ 07748-

Gross: 74440 lb In Scale 2
Tare: 27340 lb P.T.
Net: 47100 lb

Truck: AP235S
CUYDs: 25
License: AP235S
Truck Type: TRIAXLE

Carrier: DSM TRUCKING LLC

Manifest: E0038740
Profile: 2714-0636/BROADWAY PLAZA OUT - PARCEL
Remaining: 0.00 TN
Generator: BROADWAY PLAZA OUT - PARCEL
Comment:

Origin	Materials & Services	Quantity	Unit
Bronx	ID27 PCS	23.55	Tons

THE ABOVE IS CORRECT AND NON-HAZARDOUS TO THE BEST OF MY KNOWLEDGE

Driver: _____

Weighmaster: Eamonn

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number E0038703

5. Generator's Name and Mailing Address
FOUR ONE (NORTHEAST PORTFOLIO) INC.
410 PARK AVE, SUITE 1220
NEW YORK, NY 10022

Generator's Site Address (if different than mailing address)
BROADWAY PLAZA - OUTPARCEL
5520 BROADWAY
BRONX, NY 10463

Generator's Phone:

6. Transporter 1 Company Name BSM TRUCKING

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
BAYSHORE SOIL MANAGEMENT LLC
75 CROWS MILL ROAD
KEASBEY, NJ 08832
732-738-6000

U.S. EPA ID Number NJ1225001522

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. NONHAZARDOUS PC SOIL					
	2.					
	3.					
	4.					28.74

13. Special Handling Instructions and Additional Information
BSM#2714-0636

WCN AP2355/#1

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: x Nicholas Pavon | Signature: x | Month 7 Day 24 Year 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: x DSM / DAVID SANCHEZ | Signature: x | Month 7 Day 24 Year 14

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: 366241

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month 7 Day 24 Year 14

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 2714-0636
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number: E0038739

5. Generator's Name and Mailing Address
EQUITY ONE (NORTHEAST PORTFOLIO) INC.
410 PARK AVE, SUITE 1220
NEW YORK, NY 10022

Generator's Site Address (if different than mailing address)
BROADWAY PLAZA - OUT PARCEL
5520 BROADWAY
BRONX, NY 10463

Generator's Phone:

6. Transporter 1 Company Name: DSM TRUCKING
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
BAYSHORE SOIL MANAGEMENT LLC
75 CROWS MILL ROAD
KEASBEY, NJ 08832

U.S. EPA ID Number: NJ1225001522

Facility's Phone: 732-738-6000

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NONHAZARDOUS PC SOIL					
2.					
3.					
4.					30.10

13. Special Handling Instructions and Additional Information
BSM#2714-0636
WCS / AR439C / #6

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X Nicholas Pavon
Signature: X
Month Day Year: 7 24 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: X JUAN HERA
Signature: X
Month Day Year: 7 24 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 3662262

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year: 7 24 14

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 2714-0636
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number: E0038740

5. Generator's Name and Mailing Address
EQUITY ONE (NORTHEAST PORTFOLIO) INC.
410 PARK AVE, SUITE 1220
NEW YORK, NY 10022

Generator's Site Address (if different than mailing address)
BROADWAY PLAZA - OUT PARCEL
5520 BROADWAY
BRONX, NY 10463

Generator's Phone:

6. Transporter 1 Company Name: DSM TRUCKING
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
BAYSHORE SOIL MANAGEMENT LLC
75 CROWS MILL ROAD
KEASBEY, NJ 08832
U.S. EPA ID Number: NJ1225001522

Facility's Phone: 732-738-6000

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1. NONHAZARDOUS PC SOIL					
2.					
3.					
4.					23.55

13. Special Handling Instructions and Additional Information
BSM#2714-0636
WCN / AP2355 / #1322

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X Nicholas Pavon
Signature: X
Month 7 Day 24 Year 14

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: X DAVID SANCHEZ
Signature
Month 7 Day 24 Year 14

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: 366394

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 7 Day 24 Year 14

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

APPENDIX H-2

CLEANEARTH

Manifest # 936507

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 143071608

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
COUNTY ONE NORTHEAST PORTAL 11 NORTHWEST 230TH STREET BRONX, NY 10463 5510 Broadway	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-796-1742	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations. On Behalf of and as agent for Equity One Northeast Inc.

Name: Louis Goldstein Title: _____

Signature: Louis Goldstein Date and Time: 10/23/14 0740

TRANSPORTER

Company: DJ TRK Phone Number: _____

Address: 40 Jarrett St Truck # and License Plate: A5 619C #11

Driver: J. Duncan SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10.23.14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10.23.14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

APPENDIX H-3

CLEANEARTH

Manifest # 936508

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 143071608

Please Check One:

- ☒ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Equity one Northeast Portfolio Inc 5510 Broadway Bronx, NY	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-796-1742	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Louis Goldstein Title: On Behalf of and as agent for Equity one Northeast Portfolio, Inc.

Signature: Louis Goldstein Date and Time: 10/23/2014 0735

TRANSPORTER

Company: DJ Phone Number: _____

Address: 112 Abbe St Truck # and License Plate: _____

Driver: Napoleon SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10-23-14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 10-23-14

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

APPENDIX H-4

CLEANEARTH

Manifest # 639380

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 143021608

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Other _____
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Early One Northwest Port Liq. 470 Park Avenue South New York NY 10022	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-796-1742	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum contaminated soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Joe Cama Title: On Behalf of and As Agent For Early One Northwest Port Liq. Inc.

Signature: _____ Date and Time: 11/5/14 - 0725

TRANSPORTER

Company: JDC Trucking Inc Phone Number: 201 467 [illegible]

Address: 75 Windsor St Kearny NJ Truck # and License Plate: [illegible]

Driver: [illegible] (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: _____

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

CLEANEARTH

Manifest # 639381

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 143071608

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Other _____
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Equity One Northeast Portfolio Inc 410 Park Avenue New York, NY 10022	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-796-1742	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum Contaminated Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Joe Layne Title: On behalf of and As Agent For Equity One Northeast Portfolio Inc

Signature: _____ Date and Time: 11/5/14 - 0750

TRANSPORTER

Company: JC Trucking Phone Number: 2019881701

Address: Bloomfield, NJ Truck # and License Plate: 5 AP921W

Driver: Larry O (Type or Print Clearly) SW Haulers Permit #: NJ-719 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 11/5/14 7:20

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

CLEANEARTH

Manifest # 639382

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 145071609

Please Check One:

- [x] Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- [ ] Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- [ ] Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- [ ] Other
- [ ] Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- [ ] Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- [ ] Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
Equity one Northeast Partners LLC 110 Park Avenue New York NY 10022	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-686-1712	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

petroleum contaminated soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: T. [illegible] Title: on Behalf of and As Agent For Equity One Northeast Partners LLC

Signature: [illegible] Date and Time: 11/5/14 - 10:15

TRANSPORTER

Company: JDC TRUCKING INC Phone Number: 201 467 2009

Address: 75 WINDSOR ST KEARNY Truck # and License Plate: #6

Driver: Carlos Olivares (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [illegible] Date and Time: 11/5/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

CLEANEARTH

Manifest # 639383

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 113071608

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Other
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Equity one Northeast Portfolio 470 Park Avenue South New York, NY 10022	GROSS WEIGHT: ☐Tons ☐Yards	
	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 212-796-1712	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum contaminated soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Joe Gavin Title: Director of and Agent for Equity One Northeast Portfolio Inc.

Signature: [signature] Date and Time: 11/5/14 - 1495

TRANSPORTER

Company: JDC Trucking Phone Number: 201 988 1701

Address: Keeney NJ Truck # and License Plate: 5 AP9214

Driver: Dave O. SW Haulers Permit #: NJ 9614

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 11/5/14 2:35

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: _____

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: _____

SITE

CLEANEARTH

Manifest # 639379

GLOBAL JOB NUMBER: 135077 **FACILITY APPROVAL NUMBER:** 14307/608

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☐ Other _____
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	
410 Park Avenue	TARE WEIGHT: ☐Tons ☐Yards	
New York NY 10022		
GENERATOR'S PHONE: 212-798-7112	NET WEIGHT: ☐Tons ☐Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum contaminated soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Topper Title: Authority of and Agent for Equity Office Properties Inc

Signature: Date and Time: 11/5/14 1505

TRANSPORTER

Company: W. OJEDA. Phone Number:

Address: Truck # and License Plate: AH991T / 2

Driver: Jaoquony R. SW Haulers Permit #: RO 3411

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: Date and Time: 11/5/14

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: Date and Time:

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: Date and Time:

SITE

NON-HAZARDOUS WASTE MANIFEST 1928300

23

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N/A

Manifest Document No.: 10614

2. Page 1 of 1

3. Generator's Name and Mailing Address: EQUITY ONE NORTHEAST PORTFOLIO, INC
410 PARK AVE
NEW YORK, NY 10022

189 West 230th St, Bronx NY

4. Generator's Phone: (212) 796-1792

5. Transporter 1 Company Name: METRO ENVIRONMENTAL CONTRACTING CORP

6. US EPA ID Number: NYR000134957

A. State Transporter's ID

B. Transporter 1 Phone: 631-884-1880

7. Transporter 2 Company Name: Republic EnviSys (Transboro) LLC

8. US EPA ID Number: PAD982616138

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: REPUBLIC ENVIRONMENTAL SYSTEMS (PA), LLC
2869 SANDSTONE DR.
HATFIELD, PA 19440

10. US EPA ID Number: PAD085690592

E. State Facility's ID: PAD085690592

F. Facility's Phone: 215-822-8995

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. OILY TANK BOTTOMS NON-DOT REGULATED MATERIAL	1	DM	55	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

(19)

DOC# 300110-14

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Carlos Agent. Signature: [signature] Date: Month 10 Day 17 Year 14

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Carlos A Tobar Signature: [signature] Date: Month 10 Day 07 Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Melissa B Detrick Signature: [signature] Date: Month 10 Day 16 Year 14

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name: MARTY DUNN Signature: [signature] Date: Month 10 Day 23 Year 14

36 1101-14/1978213 26

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD001463410
2. Page 1 of 1
3. Emergency Response Phone: 800-816-6765
4. Manifest Tracking Number: 011980624 JJK

5. Generator's Name and Mailing Address
Equity One Northeast Portfolio, Inc.
410 Park Avenue
New York, NY 10022
Generator's Phone: 212-753-1700

Generator's Site Address (if different than mailing address)
6220 Broadway
Bronx, NY 10463

6. Transporter 1 Company Name: Metro Environmental Contracting Corp.
U.S. EPA ID Number: NYR000134087

7. Transporter 2 Company Name: Republic Environmental Systems (Trans Group) LLC
U.S. EPA ID Number: PAD982681361

8. Designated Facility Name and Site Address
Republic Environmental Systems (PA), LLC
2839 Sandstone Drive
Hellfield, PA 19440 USA
Facility's Phone: 216-822-6998
U.S. EPA ID Number: PAD098820022

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3082, Hazardous Waste Liquid, N.O.S., 9, PGIII, (Lead)(D008) ERG#171	05	DT	250	P	D008 T
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
9b.1) 676234
D008

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Berrod
Signature:
Month Day Year: 12 18 14

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only): Port of entry/exit:
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Ulrich
Signature:
Month Day Year: 12 18 14
Transporter 2 Printed/Typed Name: Melissa Dezwal
Signature:
Month Day Year: 12 19 14

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator)
Manifest Reference Number:
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Michael Berrod
Signature:
Month Day Year: 12 26 14

GENERATOR — TRANSPORTER — INTL — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

APPENDIX I

UST Closure Documentation

I-1. Tank Removal

I-2. Tank Scrap Receipt

I-3. UST 1 and UST 2 Post-Excavation Sample Laboratory Testing Results

I-4. UST 3 Post-Excavation Sample Laboratory Testing Results

I-5. Tyree Site Excavation Report, July 2013 (5510 Broadway)

APPENDIX I-1

UST Closure Documentation

I-1. Tank Removal

MERCURY TANK & PUMP SERVICE, INC.
233 NEVINS STREET
BROOKLYN, N.Y. 11217
(718) 624-7490

New York City Fire Dept.
Bureau of Fire Prevention
Bulk Safety Unit
9 Metrotech
Brooklyn, N.Y. 11201

AFFIDAVIT

Re: 189 West 230th Street Bronx; permanent removal of two 550 gallon underground diesel fuel tanks and one 1,080 gallon underground waste oil tank

In accordance with FC 3404-01, the permanent decommissioning of two 550 gallon underground diesel tanks and one 1,080 gallon underground waste oil tank at 189 West 230th Street Bronx has been completed.

- The contents of the tanks were completely removed
- The tanks were thoroughly cleaned and rendered free of combustible vapors
- All pipes were removed, including vent line
- The fill ports were removed
- The tanks were removed from the ground and disposed of off site
- This work was completed on 14, October 2014

Sincerely,

Mark Salamack
New York City Underground Tank Installer
Certificate of License# 80151715 (expires 16, June 2015)

LARSALLE BEST JR.
Notary Public, State of New York
No. 24-0279100
Qualified in Queens County
Commission Expires March 30, 2017

Sworn before me this 5 day of Dec 2014

Notary Public

APPENDIX I-2

UST Closure Documentation

I-2. Tank Scrap Receipt

RETAIL TICKET

TME IN: 10/07/14 10:56 AM
TME OUT: 10/07/14 11:08 AM
STATUS: PAID
VENDOR: 37031 Metro Environmental (3703

GERSHOW RECYCLING

655 Muncy Ave.
Lindenhurst, NY 11757
Phone 631 587-1991
Fax 631 884-2823
NYD7054828

BARCODE:
TICKET#: 4807675
CONTRACT#:
CARRIER:
TRUCK NO:
DESCRIP: METRO
DRIVER:
VENDOR TRUCK #
WEIGHER: Vinny B
TOTAL $:
TOTAL LBS: 1,660

D.LIC#:
PHONE:
FAX:
CELL:
EMAIL:

Code	Commodity	Gross	Tare	Contamination	Tare2	Net	U	Price	Total
10278	Light Iron	14,160	12,500			1,660	C		
		14,160	12,500			1,660			

Notes:

1964 50th Anniversary 2014

RETAIL TICKET

TME IN: 10/15/14 09:16 AM
TME OUT: 10/15/14 09:21 AM
STATUS: PAID
VENDOR: 37031 Metro Environmental (3703

GERSHOW RECYCLING

655 Muncy Ave.
Lindenhurst, NY 11757
Phone 631 587-1991
Fax 631 884-2823
NYD7054828

BARCODE:
TICKET#: 4819422
CONTRACT#:
CARRIER:
TRUCK NO:
DESCRIP:
DRIVER:
VENDOR TRUCK #
WEIGHER: Vinny B
TOTAL $:
TOTAL LBS: 740

D.LIC#:
PHONE:
FAX:
CELL:
EMAIL:

Code	Commodity	Gross	Tare	Contamination	Tare2	Net	U	Price	Total
10278	Light Iron	12,220	11,480			740	C		
		12,220	11,480			740			

Notes:

1964 50th Anniversary 2014

APPENDIX I-3

UST Closure Documentation

I-3. UST 1 and UST 2 Post-Excavation Sample Laboratory Testing Results

ANALYTICAL REPORT

Lab Number:	L1423327
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Wendy Monterosso
Phone:	(631) 232-2600
Project Name:	5520 BROADWAY
Project Number:	1924.0008Y
Report Date:	10/08/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1423327-01	5520 UST NSW	SOIL	BRONX, NY	10/02/14 08:50	10/03/14
L1423327-02	5520 UST SSW	SOIL	BRONX, NY	10/02/14 09:20	10/03/14
L1423327-03	5520 UST ESW	SOIL	BRONX, NY	10/02/14 09:10	10/03/14
L1423327-04	5520 UST WSW	SOIL	BRONX, NY	10/02/14 09:00	10/03/14
L1423327-05	5520 UST BOTTOM	SOIL	BRONX, NY	10/02/14 13:15	10/03/14
L1423327-06	5520 UST DUP	SOIL	BRONX, NY	10/02/14 12:00	10/03/14

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	5520 BROADWAY	**Lab Number:**	L1423327
Project Number:	1924.0008Y	**Report Date:**	10/08/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The samples were analyzed for Volatile and Semivolatile Organics only, at the client's request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/08/14

ORGANICS

VOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-01	Date Collected:	10/02/14 08:50
Client ID:	5520 UST NSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/07/14 09:55		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.34	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-01 Date Collected: 10/02/14 08:50

Client ID: 5520 UST NSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.59	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-01 Date Collected: 10/02/14 08:50

Client ID: 5520 UST NSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-02	Date Collected:	10/02/14 09:20
Client ID:	5520 UST SSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/07/14 10:23		
Analyst:	BN		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-02 Date Collected: 10/02/14 09:20

Client ID: 5520 UST SSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
Xylenes, Total	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	ND		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.4	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-02 Date Collected: 10/02/14 09:20

Client ID: 5520 UST SSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-03	Date Collected:	10/02/14 09:10
Client ID:	5520 UST ESW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/07/14 10:50		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-03 Date Collected: 10/02/14 09:10

Client ID: 5520 UST ESW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.19	1
Xylenes, Total	ND		ug/kg	2.3	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-03 Date Collected: 10/02/14 09:10

Client ID: 5520 UST ESW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	0.18	1
p-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	0.69	J	ug/kg	5.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-04
Client ID: 5520 UST WSW
Sample Location: BRONX, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/14 12:15
Analyst: BN
Percent Solids: 91%

Date Collected: 10/02/14 09:00
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-04 Date Collected: 10/02/14 09:00

Client ID: 5520 UST WSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-04 Date Collected: 10/02/14 09:00

Client ID: 5520 UST WSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	0.54	J	ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-05	Date Collected:	10/02/14 13:15
Client ID:	5520 UST BOTTOM	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/07/14 12:43		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-05 Date Collected: 10/02/14 13:15

Client ID: 5520 UST BOTTOM Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-05 Date Collected: 10/02/14 13:15

Client ID: 5520 UST BOTTOM Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	0.81	J	ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	99		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-06	Date Collected:	10/02/14 12:00
Client ID:	5520 UST DUP	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/07/14 13:12		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.13	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-06 Date Collected: 10/02/14 12:00

Client ID: 5520 UST DUP Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	ND		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-06 Date Collected: 10/02/14 12:00

Client ID: 5520 UST DUP Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	0.49	J	ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/14 08:35
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728774-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/14 08:35
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728774-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/14 08:35
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728774-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/14 08:35
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728774-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728774-1 WG728774-2								
Methylene chloride	91		88		70-130	3		30
1,1-Dichloroethane	106		99		70-130	7		30
Chloroform	100		95		70-130	5		30
Carbon tetrachloride	100		90		70-130	11		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	84		81		70-130	4		30
2-Chloroethylvinyl ether	84		87		70-130	4		30
1,1,2-Trichloroethane	97		93		70-130	4		30
Tetrachloroethene	98		90		70-130	9		30
Chlorobenzene	95		91		70-130	4		30
Trichlorofluoromethane	117		102		70-139	14		30
1,2-Dichloroethane	111		108		70-130	3		30
1,1,1-Trichloroethane	103		95		70-130	8		30
Bromodichloromethane	92		90		70-130	2		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	92		89		70-130	3		30
1,1-Dichloropropene	103		97		70-130	6		30
Bromoform	76		72		70-130	5		30
1,1,2,2-Tetrachloroethane	92		91		70-130	1		30
Benzene	100		95		70-130	5		30
Toluene	92		86		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728774-1 WG728774-2								
Ethylbenzene	92		87		70-130	6		30
Chloromethane	121		108		52-130	11		30
Bromomethane	112		102		57-147	9		30
Vinyl chloride	123		110		67-130	11		30
Chloroethane	114		106		50-151	7		30
1,1-Dichloroethene	101		90		65-135	12		30
trans-1,2-Dichloroethene	100		92		70-130	8		30
Trichloroethene	99		94		70-130	5		30
1,2-Dichlorobenzene	95		92		70-130	3		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	98		94		70-130	4		30
Methyl tert butyl ether	94		92		66-130	2		30
p/m-Xylene	88		84		70-130	5		30
o-Xylene	89		86		70-130	3		30
cis-1,2-Dichloroethene	98		94		70-130	4		30
Dibromomethane	96		95		70-130	1		30
Styrene	90		86		70-130	5		30
Dichlorodifluoromethane	110		94		30-146	16		30
Acetone	116		106		54-140	9		30
Carbon disulfide	89		80		59-130	11		30
2-Butanone	106		105		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728774-1 WG728774-2								
Vinyl acetate	110		107		70-130	3		30
4-Methyl-2-pentanone	80		82		70-130	2		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	84		83		70-130	1		30
Bromochloromethane	98		94		70-130	4		30
2,2-Dichloropropane	97		89		70-130	9		30
1,2-Dibromoethane	92		88		70-130	4		30
1,3-Dichloropropane	98		96		69-130	2		30
1,1,1,2-Tetrachloroethane	92		88		70-130	4		30
Bromobenzene	94		89		70-130	5		30
n-Butylbenzene	102		96		70-130	6		30
sec-Butylbenzene	96		90		70-130	6		30
tert-Butylbenzene	93		88		70-130	6		30
o-Chlorotoluene	100		96		70-130	4		30
p-Chlorotoluene	99		94		70-130	5		30
1,2-Dibromo-3-chloropropane	71		70		68-130	1		30
Hexachlorobutadiene	92		88		67-130	4		30
Isopropylbenzene	94		88		70-130	7		30
p-Isopropyltoluene	95		89		70-130	7		30
Naphthalene	84		83		70-130	1		30
Acrylonitrile	103		102		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728774-1 WG728774-2								
Diisopropyl Ether	116		110		66-130	5		30
Tert-Butyl Alcohol	80		79		70-130	1		30
n-Propylbenzene	97		91		70-130	6		30
1,2,3-Trichlorobenzene	96		92		70-130	4		30
1,2,4-Trichlorobenzene	98		94		70-130	4		30
1,3,5-Trimethylbenzene	96		92		70-130	4		30
1,2,4-Trimethylbenzene	95		90		70-130	5		30
Methyl Acetate	120		116		51-146	3		30
Ethyl Acetate	110		108		70-130	2		30
Acrolein	98		93		70-130	5		30
Cyclohexane	103		93		59-142	10		30
1,4-Dioxane	93		94		65-136	1		30
Freon-113	100		89		50-139	12		30
p-Diethylbenzene	94		88		70-130	7		30
p-Ethyltoluene	97		92		70-130	5		30
1,2,4,5-Tetramethylbenzene	90		86		70-130	5		30
Tetrahydrofuran	118		115		66-130	3		30
Ethyl ether	100		96		67-130	4		30
trans-1,4-Dichloro-2-butene	97		95		70-130	2		30
Methyl cyclohexane	93		84		70-130	10		30
Ethyl-Tert-Butyl-Ether	100		97		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728774-1 WG728774-2								
Tertiary-Amyl Methyl Ether	89		87		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		111		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-01	Date Collected:	10/02/14 08:50
Client ID:	5520 UST NSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/04/14 12:26
Analytical Date:	10/07/14 00:00		
Analyst:	JC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	58	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-01 Date Collected: 10/02/14 08:50

Client ID: 5520 UST NSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	48	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	51	J	ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-01	Date Collected:	10/02/14 08:50
Client ID:	5520 UST NSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	115		0-136
4-Terphenyl-d14	70		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-02	Date Collected:	10/02/14 09:20
Client ID:	5520 UST SSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/04/14 12:26
Analytical Date:	10/07/14 00:27		
Analyst:	JC		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-02 Date Collected: 10/02/14 09:20

Client ID: 5520 UST SSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-02	Date Collected:	10/02/14 09:20
Client ID:	5520 UST SSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	104		0-136
4-Terphenyl-d14	85		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-03	Date Collected:	10/02/14 09:10
Client ID:	5520 UST ESW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/04/14 12:26
Analytical Date:	10/07/14 00:55		
Analyst:	JC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	61.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	42	J	ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	36.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-03 Date Collected: 10/02/14 09:10

Client ID: 5520 UST ESW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	36	J	ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	49.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	50.	1
Dibenzofuran	ND		ug/kg	190	62.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	55.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-03	Date Collected:	10/02/14 09:10
Client ID:	5520 UST ESW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	95		0-136
4-Terphenyl-d14	64		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-04	Date Collected:	10/02/14 09:00
Client ID:	5520 UST WSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/04/14 12:26
Analytical Date:	10/07/14 01:23		
Analyst:	JC		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	57.	1
1,4-Dichlorobenzene	ND		ug/kg	180	55.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	410		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	55.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-04 Date Collected: 10/02/14 09:00

Client ID: 5520 UST WSW Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	170		ug/kg	110	35.	1
Benzo(a)pyrene	140		ug/kg	140	44.	1
Benzo(b)fluoranthene	180		ug/kg	110	36.	1
Benzo(k)fluoranthene	68	J	ug/kg	110	34.	1
Chrysene	160		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	74	J	ug/kg	110	30.	1
Benzo(ghi)perylene	86	J	ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	320		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	96	J	ug/kg	140	40.	1
Pyrene	340		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-04	Date Collected:	10/02/14 09:00
Client ID:	5520 UST WSW	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	69		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-05	Date Collected:	10/02/14 13:15
Client ID:	5520 UST BOTTOM	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/04/14 12:26
Analytical Date:	10/07/14 01:51		
Analyst:	JC		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	290		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-05 Date Collected: 10/02/14 13:15

Client ID: 5520 UST BOTTOM Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	140		ug/kg	110	37.	1
Benzo(a)pyrene	130	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	180		ug/kg	110	38.	1
Benzo(k)fluoranthene	73	J	ug/kg	110	36.	1
Chrysene	140		ug/kg	110	37.	1
Acenaphthylene	36	J	ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	78	J	ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	53	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	93	J	ug/kg	150	42.	1
Pyrene	220		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	400	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-05	Date Collected:	10/02/14 13:15
Client ID:	5520 UST BOTTOM	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	108		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	108		0-136
4-Terphenyl-d14	68		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-06	Date Collected:	10/02/14 12:00
Client ID:	5520 UST DUP	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/04/14 12:26
Analytical Date:	10/07/14 02:18		
Analyst:	JC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	210		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-06 Date Collected: 10/02/14 12:00

Client ID: 5520 UST DUP Date Received: 10/03/14

Sample Location: BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	160		ug/kg	110	36.	1
Benzo(a)pyrene	180		ug/kg	150	45.	1
Benzo(b)fluoranthene	250		ug/kg	110	37.	1
Benzo(k)fluoranthene	92	J	ug/kg	110	35.	1
Chrysene	160		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	110	J	ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	37	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	130	J	ug/kg	150	41.	1
Pyrene	210		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	160	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	57.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 5520 BROADWAY **Lab Number:** L1423327

Project Number: 1924.0008Y **Report Date:** 10/08/14

SAMPLE RESULTS

Lab ID:	L1423327-06	Date Collected:	10/02/14 12:00
Client ID:	5520 UST DUP	Date Received:	10/03/14
Sample Location:	BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	109		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	115		0-136
4-Terphenyl-d14	88		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/14 22:37
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 10/04/14 12:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728130-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/14 22:37
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 10/04/14 12:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728130-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/14 22:37
Analyst: JC

Extraction Method: EPA 3546
Extraction Date: 10/04/14 12:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG728130-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	116		0-136
4-Terphenyl-d14	104		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728130-2 WG728130-3								
Acenaphthene	86		84		31-137	2		50
1,2,4-Trichlorobenzene	85		85		38-107	0		50
Hexachlorobenzene	93		92		40-140	1		50
Bis(2-chloroethyl)ether	75		74		40-140	1		50
2-Chloronaphthalene	87		87		40-140	0		50
1,2-Dichlorobenzene	78		78		40-140	0		50
1,3-Dichlorobenzene	76		76		40-140	0		50
1,4-Dichlorobenzene	79		77		28-104	3		50
3,3'-Dichlorobenzidine	84		79		40-140	6		50
2,4-Dinitrotoluene	**101**	Q	**99**	Q	28-89	2		50
2,6-Dinitrotoluene	97		95		40-140	2		50
Fluoranthene	91		89		40-140	2		50
4-Chlorophenyl phenyl ether	86		87		40-140	1		50
4-Bromophenyl phenyl ether	93		91		40-140	2		50
Bis(2-chloroisopropyl)ether	60		60		40-140	0		50
Bis(2-chloroethoxy)methane	79		77		40-117	3		50
Hexachlorobutadiene	90		88		40-140	2		50
Hexachlorocyclopentadiene	97		98		40-140	1		50
Hexachloroethane	76		75		40-140	1		50
Isophorone	80		79		40-140	1		50
Naphthalene	84		84		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728130-2 WG728130-3								
Nitrobenzene	82		80		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	88		87			1		50
n-Nitrosodi-n-propylamine	78		78		32-121	0		50
Bis(2-Ethylhexyl)phthalate	100		97		40-140	3		50
Butyl benzyl phthalate	101		96		40-140	5		50
Di-n-butylphthalate	96		93		40-140	3		50
Di-n-octylphthalate	109		105		40-140	4		50
Diethyl phthalate	90		89		40-140	1		50
Dimethyl phthalate	90		89		40-140	1		50
Benzo(a)anthracene	91		89		40-140	2		50
Benzo(a)pyrene	92		91		40-140	1		50
Benzo(b)fluoranthene	92		91		40-140	1		50
Benzo(k)fluoranthene	87		84		40-140	4		50
Chrysene	89		86		40-140	3		50
Acenaphthylene	90		89		40-140	1		50
Anthracene	91		90		40-140	1		50
Benzo(ghi)perylene	92		91		40-140	1		50
Fluorene	87		87		40-140	0		50
Phenanthrene	85		84		40-140	1		50
Dibenzo(a,h)anthracene	95		94		40-140	1		50
Indeno(1,2,3-cd)Pyrene	97		91		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728130-2 WG728130-3								
Pyrene	89		87		35-142	2		50
Biphenyl	84		84			0		50
4-Chloroaniline	78		80		40-140	3		50
2-Nitroaniline	101		102		47-134	1		50
3-Nitroaniline	77		78		26-129	1		50
4-Nitroaniline	91		89		41-125	2		50
Dibenzofuran	86		86		40-140	0		50
2-Methylnaphthalene	86		86		40-140	0		50
1,2,4,5-Tetrachlorobenzene	86		85		40-117	1		50
Acetophenone	86		84		14-144	2		50
2,4,6-Trichlorophenol	99		102		30-130	3		50
P-Chloro-M-Cresol	93		94		26-103	1		50
2-Chlorophenol	88		86		25-102	2		50
2,4-Dichlorophenol	97		96		30-130	1		50
2,4-Dimethylphenol	91		91		30-130	0		50
2-Nitrophenol	98		96		30-130	2		50
4-Nitrophenol	97		92		11-114	5		50
2,4-Dinitrophenol	100		98		4-130	2		50
4,6-Dinitro-o-cresol	107		104		10-130	3		50
Pentachlorophenol	98		95		17-109	3		50
Phenol	85		83		26-90	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG728130-2 WG728130-3								
2-Methylphenol	85		85		30-130.	0		50
3-Methylphenol/4-Methylphenol	88		88		30-130	0		50
2,4,5-Trichlorophenol	96		94		30-130	2		50
Benzoic Acid	64		58			10		50
Benzyl Alcohol	85		83		40-140	2		50
Carbazole	90		86		54-128	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	95		109		25-120
Phenol-d6	100		97		10-120
Nitrobenzene-d5	92		88		23-120
2-Fluorobiphenyl	93		92		30-120
2,4,6-Tribromophenol	110		107		0-136
4-Terphenyl-d14	94		89		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-01
Client ID: 5520 UST NSW
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/02/14 08:50
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	10/04/14 14:42	30,2540G	KE

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-02
Client ID: 5520 UST SSW
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/02/14 09:20
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.7		%	0.100	NA	1	-	10/04/14 14:42	30,2540G	KE

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-03
Client ID: 5520 UST ESW
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/02/14 09:10
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	10/04/14 14:42	30,2540G	KE

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-04
Client ID: 5520 UST WSW
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/02/14 09:00
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	10/04/14 14:42	30,2540G	KE

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-05
Client ID: 5520 UST BOTTOM
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/02/14 13:15
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	10/04/14 14:42	30,2540G	KE

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

SAMPLE RESULTS

Lab ID: L1423327-06
Client ID: 5520 UST DUP
Sample Location: BRONX, NY
Matrix: Soil

Date Collected: 10/02/14 12:00
Date Received: 10/03/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	10/04/14 14:42	30,2540G	KE

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG728143-1 QC Sample: L1423305-01 Client ID: DUP Sample						
Solids, Total	84.6	82.6	%	2		20

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423327-01A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1423327-01B	Glass 250ml unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8270(14),TS(7)
L1423327-02A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1423327-02B	Glass 120ml unpreserved	A	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423327-03A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1423327-03B	Glass 250ml unpreserved	A	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423327-04A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1423327-04B	Glass 250ml unpreserved	A	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1423327
Report Date: 10/08/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1423327-05A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1423327-05B	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423327-05C	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8270(14),TS(7)
L1423327-06A	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1423327-06B	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1423327-06C	Vial Large Septa unpreserved	A	N/A	3.7	Y	Absent	NYTCL-8270(14),TS(7)

Container Comments

L1423327-01B

L1423327-02B

L1423327-03B

L1423327-04B

*Values in parentheses indicate holding time in days

Project Name:	5520 BROADWAY	**Lab Number:**	L1423327
Project Number:	1924.0008Y	**Report Date:**	10/08/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	5520 BROADWAY	**Lab Number:**	L1423327
Project Number:	1924.0008Y	**Report Date:**	10/08/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1423327
Project Number: 1924.0008Y **Report Date:** 10/08/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Serial_No:10081412:40

Date Rec'd in Lab: 10/3/14

ALPHA Job #: L1423327

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Roux Associates
Address: 209 Shafter St. Islandia NY
Phone: 631-232-2600
Fax: 631-232-9898
Email: wmontrosso@rouxinc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 5520 Broadway
Project Location: Bronx NY
Project #: 1924.00084
Project Manager: Wendy Montrosso
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 10/10/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: VOC, SVOC, metals

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments	Total # Bottles
23327-01	5520 UST NSW	10/2/14	850	S	JG		
02	5520 UST SSW	10/2/14	920	S	JG		
03	5520 UST ESW	10/2/14	910	S	JG		
04	5520 UST WSW	10/2/14	900	S	JG		
05	5520 UST Bottom	10/2/14	1315	S	JG		
06	5520 UST DUP	10/2/14	1200	S	JG		

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/2/14 1002	[signature]	10-3-14 1002
[signature]	10-2-14 1905	[signature]	10-3-14 1905
[signature]	10-3-14 2320	[signature]	10/3/14 2320

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX I-4

UST Closure Documentation

I-4. UST 3 Post-Excavation Sample Laboratory Testing Results

ANALYTICAL REPORT

Lab Number:	L1424836
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Wendy Monterosso
Phone:	(631) 232-2600
Project Name:	5520 BROADWAY
Project Number:	1924.0008Y
Report Date:	10/21/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1424836-01	WSW-1_7'	SOIL	BRONX	10/17/14 14:00	10/17/14
L1424836-02	WSW-2_9'	SOIL	BRONX	10/17/14 14:05	10/17/14
L1424836-03	NSW-1_7'	SOIL	BRONX	10/17/14 14:30	10/17/14
L1424836-04	NSW-2_9'	SOIL	BRONX	10/17/14 14:35	10/17/14
L1424836-05	ESW-1_7'	SOIL	BRONX	10/17/14 14:20	10/17/14
L1424836-06	ESW-2_9'	SOIL	BRONX	10/17/14 14:25	10/17/14
L1424836-07	SSW-1_7'	SOIL	BRONX	10/17/14 14:10	10/17/14
L1424836-08	SSW-2_9'	SOIL	BRONX	10/17/14 14:15	10/17/14
L1424836-09	TRIP BLANK	WATER	BRONX	10/17/14 00:00	10/17/14

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 5520 BROADWAY **Lab Number:** L1424836
Project Number: 1924.0008Y **Report Date:** 10/21/14

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1424836-02 and -06 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Metals

L1424836-01 through -08 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/21/14

ORGANICS

VOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-01
Client ID: WSW-1_7'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 16:44
Analyst: BN
Percent Solids: 83%

Date Collected: 10/17/14 14:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-01 Date Collected: 10/17/14 14:00

Client ID: WSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.0	0.16	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.47	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.0	0.16	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-01 Date Collected: 10/17/14 14:00

Client ID: WSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	0.40	J	ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-02 D
Client ID: WSW-2_9'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 17:10
Analyst: BN
Percent Solids: 81%

Date Collected: 10/17/14 14:05
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	620	68.	50
1,1-Dichloroethane	ND		ug/kg	93	5.3	50
Chloroform	ND		ug/kg	93	23.	50
Carbon tetrachloride	ND		ug/kg	62	13.	50
1,2-Dichloropropane	ND		ug/kg	220	14.	50
Dibromochloromethane	ND		ug/kg	62	9.5	50
1,1,2-Trichloroethane	ND		ug/kg	93	19.	50
Tetrachloroethene	ND		ug/kg	62	8.7	50
Chlorobenzene	ND		ug/kg	62	22.	50
Trichlorofluoromethane	ND		ug/kg	310	24.	50
1,2-Dichloroethane	ND		ug/kg	62	7.0	50
1,1,1-Trichloroethane	ND		ug/kg	62	6.9	50
Bromodichloromethane	ND		ug/kg	62	11.	50
trans-1,3-Dichloropropene	ND		ug/kg	62	7.5	50
cis-1,3-Dichloropropene	ND		ug/kg	62	7.3	50
1,3-Dichloropropene, Total	ND		ug/kg	62	7.3	50
1,1-Dichloropropene	ND		ug/kg	310	8.8	50
Bromoform	ND		ug/kg	250	15.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	6.2	50
Benzene	96		ug/kg	62	7.3	50
Toluene	ND		ug/kg	93	12.	50
Ethylbenzene	480		ug/kg	62	7.9	50
Chloromethane	ND		ug/kg	310	18.	50
Bromomethane	ND		ug/kg	120	21.	50
Vinyl chloride	ND		ug/kg	120	7.3	50
Chloroethane	ND		ug/kg	120	20.	50
1,1-Dichloroethene	ND		ug/kg	62	16.	50
trans-1,2-Dichloroethene	ND		ug/kg	93	13.	50
Trichloroethene	ND		ug/kg	62	7.8	50
1,2-Dichlorobenzene	ND		ug/kg	310	9.5	50

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-02 D Date Collected: 10/17/14 14:05

Client ID: WSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	310	8.4	50
1,4-Dichlorobenzene	ND		ug/kg	310	8.6	50
Methyl tert butyl ether	ND		ug/kg	120	5.2	50
p/m-Xylene	360		ug/kg	120	12.	50
o-Xylene	66	J	ug/kg	120	11.	50
Xylenes, Total	430	J	ug/kg	120	11.	50
cis-1,2-Dichloroethene	ND		ug/kg	62	8.8	50
1,2-Dichloroethene, Total	ND		ug/kg	62	8.8	50
Dibromomethane	ND		ug/kg	620	10.	50
Styrene	ND		ug/kg	120	25.	50
Dichlorodifluoromethane	ND		ug/kg	620	12.	50
Acetone	ND		ug/kg	620	64.	50
Carbon disulfide	ND		ug/kg	620	68.	50
2-Butanone	ND		ug/kg	620	17.	50
Vinyl acetate	ND		ug/kg	620	8.2	50
4-Methyl-2-pentanone	ND		ug/kg	620	15.	50
1,2,3-Trichloropropane	ND		ug/kg	620	10.	50
2-Hexanone	ND		ug/kg	620	41.	50
Bromochloromethane	ND		ug/kg	310	17.	50
2,2-Dichloropropane	ND		ug/kg	310	14.	50
1,2-Dibromoethane	ND		ug/kg	250	11.	50
1,3-Dichloropropane	ND		ug/kg	310	9.0	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	20.	50
Bromobenzene	ND		ug/kg	310	13.	50
n-Butylbenzene	930		ug/kg	62	7.1	50
sec-Butylbenzene	550		ug/kg	62	7.6	50
tert-Butylbenzene	ND		ug/kg	310	8.4	50
o-Chlorotoluene	ND		ug/kg	310	9.9	50
p-Chlorotoluene	ND		ug/kg	310	8.2	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	24.	50
Hexachlorobutadiene	ND		ug/kg	310	14.	50
Isopropylbenzene	690		ug/kg	62	6.4	50
p-Isopropyltoluene	ND		ug/kg	62	7.8	50
Naphthalene	720		ug/kg	310	8.6	50
Acrylonitrile	ND		ug/kg	620	32.	50
n-Propylbenzene	2800		ug/kg	62	6.8	50
1,2,3-Trichlorobenzene	ND		ug/kg	310	9.2	50
1,2,4-Trichlorobenzene	ND		ug/kg	310	11.	50
1,3,5-Trimethylbenzene	140	J	ug/kg	310	8.9	50

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-02 D Date Collected: 10/17/14 14:05

Client ID: WSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	490		ug/kg	310	8.8	50
1,4-Dioxane	ND		ug/kg	6200	890	50
p-Diethylbenzene	1300		ug/kg	250	9.9	50
p-Ethyltoluene	300		ug/kg	250	7.7	50
1,2,4,5-Tetramethylbenzene	3100		ug/kg	250	8.1	50
Ethyl ether	ND		ug/kg	310	16.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	24.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	88		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-03
Client ID: NSW-1_7'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 17:37
Analyst: BN
Percent Solids: 87%

Date Collected: 10/17/14 14:30
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-03 Date Collected: 10/17/14 14:30

Client ID: NSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.31	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1
n-Propylbenzene	ND		ug/kg	1.2	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-03 Date Collected: 10/17/14 14:30

Client ID: NSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-04 D
Client ID: NSW-2_9'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 18:03
Analyst: BN
Percent Solids: 81%

Date Collected: 10/17/14 14:35
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	610	68.	50
1,1-Dichloroethane	ND		ug/kg	92	5.2	50
Chloroform	ND		ug/kg	92	23.	50
Carbon tetrachloride	ND		ug/kg	61	13.	50
1,2-Dichloropropane	ND		ug/kg	210	14.	50
Dibromochloromethane	ND		ug/kg	61	9.4	50
1,1,2-Trichloroethane	ND		ug/kg	92	19.	50
Tetrachloroethene	ND		ug/kg	61	8.6	50
Chlorobenzene	ND		ug/kg	61	21.	50
Trichlorofluoromethane	ND		ug/kg	310	24.	50
1,2-Dichloroethane	ND		ug/kg	61	7.0	50
1,1,1-Trichloroethane	ND		ug/kg	61	6.8	50
Bromodichloromethane	ND		ug/kg	61	11.	50
trans-1,3-Dichloropropene	ND		ug/kg	61	7.4	50
cis-1,3-Dichloropropene	ND		ug/kg	61	7.2	50
1,3-Dichloropropene, Total	ND		ug/kg	61	7.2	50
1,1-Dichloropropene	ND		ug/kg	310	8.7	50
Bromoform	ND		ug/kg	240	14.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	61	6.2	50
Benzene	ND		ug/kg	61	7.2	50
Toluene	ND		ug/kg	92	12.	50
Ethylbenzene	ND		ug/kg	61	7.8	50
Chloromethane	ND		ug/kg	310	18.	50
Bromomethane	ND		ug/kg	120	21.	50
Vinyl chloride	ND		ug/kg	120	7.2	50
Chloroethane	ND		ug/kg	120	19.	50
1,1-Dichloroethene	ND		ug/kg	61	16.	50
trans-1,2-Dichloroethene	ND		ug/kg	92	13.	50
Trichloroethene	ND		ug/kg	61	7.7	50
1,2-Dichlorobenzene	ND		ug/kg	310	9.4	50

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-04 D Date Collected: 10/17/14 14:35

Client ID: NSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	310	8.3	50
1,4-Dichlorobenzene	ND		ug/kg	310	8.5	50
Methyl tert butyl ether	ND		ug/kg	120	5.2	50
p/m-Xylene	ND		ug/kg	120	12.	50
o-Xylene	ND		ug/kg	120	10.	50
Xylenes, Total	ND		ug/kg	120	10.	50
cis-1,2-Dichloroethene	ND		ug/kg	61	8.8	50
1,2-Dichloroethene, Total	ND		ug/kg	61	8.8	50
Dibromomethane	ND		ug/kg	610	10.	50
Styrene	ND		ug/kg	120	25.	50
Dichlorodifluoromethane	ND		ug/kg	610	12.	50
Acetone	ND		ug/kg	610	64.	50
Carbon disulfide	ND		ug/kg	610	68.	50
2-Butanone	ND		ug/kg	610	17.	50
Vinyl acetate	ND		ug/kg	610	8.1	50
4-Methyl-2-pentanone	ND		ug/kg	610	15.	50
1,2,3-Trichloropropane	ND		ug/kg	610	10.	50
2-Hexanone	ND		ug/kg	610	41.	50
Bromochloromethane	ND		ug/kg	310	17.	50
2,2-Dichloropropane	ND		ug/kg	310	14.	50
1,2-Dibromoethane	ND		ug/kg	240	11.	50
1,3-Dichloropropane	ND		ug/kg	310	8.9	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	61	20.	50
Bromobenzene	ND		ug/kg	310	13.	50
n-Butylbenzene	260		ug/kg	61	7.0	50
sec-Butylbenzene	480		ug/kg	61	7.5	50
tert-Butylbenzene	ND		ug/kg	310	8.3	50
o-Chlorotoluene	ND		ug/kg	310	9.8	50
p-Chlorotoluene	ND		ug/kg	310	8.2	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	24.	50
Hexachlorobutadiene	ND		ug/kg	310	14.	50
Isopropylbenzene	240		ug/kg	61	6.4	50
p-Isopropyltoluene	ND		ug/kg	61	7.7	50
Naphthalene	ND		ug/kg	310	8.5	50
Acrylonitrile	ND		ug/kg	610	32.	50
n-Propylbenzene	310		ug/kg	61	6.7	50
1,2,3-Trichlorobenzene	ND		ug/kg	310	9.1	50
1,2,4-Trichlorobenzene	ND		ug/kg	310	11.	50
1,3,5-Trimethylbenzene	ND		ug/kg	310	8.8	50

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-04 D Date Collected: 10/17/14 14:35

Client ID: NSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	310	8.7	50
1,4-Dioxane	ND		ug/kg	6100	880	50
p-Diethylbenzene	1200		ug/kg	240	9.8	50
p-Ethyltoluene	ND		ug/kg	240	7.6	50
1,2,4,5-Tetramethylbenzene	4600		ug/kg	240	8.0	50
Ethyl ether	ND		ug/kg	310	16.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	24.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	87		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-05
Client ID: ESW-1_7'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 18:29
Analyst: BN
Percent Solids: 84%

Date Collected: 10/17/14 14:20
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-05 Date Collected: 10/17/14 14:20

Client ID: ESW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.23	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.9	0.16	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-05 Date Collected: 10/17/14 14:20

Client ID: ESW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-06	D	Date Collected:	10/17/14 14:25
Client ID:	ESW-2_9'		Date Received:	10/17/14
Sample Location:	BRONX		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	1,8260C			
Analytical Date:	10/19/14 18:55			
Analyst:	BN			
Percent Solids:	77%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	26	2.9	2
1,1-Dichloroethane	ND		ug/kg	3.9	0.22	2
Chloroform	ND		ug/kg	3.9	0.97	2
Carbon tetrachloride	ND		ug/kg	2.6	0.55	2
1,2-Dichloropropane	ND		ug/kg	9.1	0.60	2
Dibromochloromethane	ND		ug/kg	2.6	0.40	2
1,1,2-Trichloroethane	ND		ug/kg	3.9	0.79	2
Tetrachloroethene	ND		ug/kg	2.6	0.37	2
Chlorobenzene	6.8		ug/kg	2.6	0.91	2
Trichlorofluoromethane	ND		ug/kg	13	1.0	2
1,2-Dichloroethane	ND		ug/kg	2.6	0.30	2
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.29	2
Bromodichloromethane	ND		ug/kg	2.6	0.45	2
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.32	2
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.31	2
1,3-Dichloropropene, Total	ND		ug/kg	2.6	0.31	2
1,1-Dichloropropene	ND		ug/kg	13	0.37	2
Bromoform	ND		ug/kg	10	0.62	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.26	2
Benzene	19		ug/kg	2.6	0.31	2
Toluene	2.1	J	ug/kg	3.9	0.51	2
Ethylbenzene	54		ug/kg	2.6	0.33	2
Chloromethane	ND		ug/kg	13	0.77	2
Bromomethane	ND		ug/kg	5.2	0.88	2
Vinyl chloride	ND		ug/kg	5.2	0.31	2
Chloroethane	ND		ug/kg	5.2	0.82	2
1,1-Dichloroethene	ND		ug/kg	2.6	0.68	2
trans-1,2-Dichloroethene	ND		ug/kg	3.9	0.55	2
Trichloroethene	ND		ug/kg	2.6	0.33	2
1,2-Dichlorobenzene	ND		ug/kg	13	0.40	2

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-06 D Date Collected: 10/17/14 14:25

Client ID: ESW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	13	0.35	2
1,4-Dichlorobenzene	ND		ug/kg	13	0.36	2
Methyl tert butyl ether	ND		ug/kg	5.2	0.22	2
p/m-Xylene	19		ug/kg	5.2	0.52	2
o-Xylene	2.7	J	ug/kg	5.2	0.45	2
Xylenes, Total	22	J	ug/kg	5.2	0.45	2
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.37	2
1,2-Dichloroethene, Total	ND		ug/kg	2.6	0.37	2
Dibromomethane	ND		ug/kg	26	0.43	2
Styrene	ND		ug/kg	5.2	1.0	2
Dichlorodifluoromethane	ND		ug/kg	26	0.50	2
Acetone	85		ug/kg	26	2.7	2
Carbon disulfide	ND		ug/kg	26	2.9	2
2-Butanone	ND		ug/kg	26	0.71	2
Vinyl acetate	ND		ug/kg	26	0.34	2
4-Methyl-2-pentanone	ND		ug/kg	26	0.64	2
1,2,3-Trichloropropane	ND		ug/kg	26	0.42	2
2-Hexanone	ND		ug/kg	26	1.7	2
Bromochloromethane	ND		ug/kg	13	0.72	2
2,2-Dichloropropane	ND		ug/kg	13	0.59	2
1,2-Dibromoethane	ND		ug/kg	10	0.46	2
1,3-Dichloropropane	ND		ug/kg	13	0.38	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.83	2
Bromobenzene	ND		ug/kg	13	0.54	2
n-Butylbenzene	28		ug/kg	2.6	0.30	2
sec-Butylbenzene	20		ug/kg	2.6	0.32	2
tert-Butylbenzene	1.8	J	ug/kg	13	0.35	2
o-Chlorotoluene	ND		ug/kg	13	0.42	2
p-Chlorotoluene	ND		ug/kg	13	0.35	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	1.0	2
Hexachlorobutadiene	ND		ug/kg	13	0.60	2
Isopropylbenzene	30		ug/kg	2.6	0.27	2
p-Isopropyltoluene	ND		ug/kg	2.6	0.33	2
Naphthalene	36		ug/kg	13	0.36	2
Acrylonitrile	ND		ug/kg	26	1.3	2
n-Propylbenzene	84		ug/kg	2.6	0.28	2
1,2,3-Trichlorobenzene	ND		ug/kg	13	0.38	2
1,2,4-Trichlorobenzene	ND		ug/kg	13	0.47	2
1,3,5-Trimethylbenzene	10	J	ug/kg	13	0.37	2

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-06 D Date Collected: 10/17/14 14:25

Client ID: ESW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	13		ug/kg	13	0.37	2
1,4-Dioxane	ND		ug/kg	260	38.	2
p-Diethylbenzene	36		ug/kg	10	0.42	2
p-Ethyltoluene	14		ug/kg	10	0.32	2
1,2,4,5-Tetramethylbenzene	78		ug/kg	10	0.34	2
Ethyl ether	ND		ug/kg	13	0.68	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	1.0	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	89		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-07
Client ID: SSW-1_7'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 19:22
Analyst: BN
Percent Solids: 87%

Date Collected: 10/17/14 14:10
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-07 Date Collected: 10/17/14 14:10

Client ID: SSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.31	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.59	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.16	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-07 Date Collected: 10/17/14 14:10

Client ID: SSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	0.46	J	ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.45	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-08
Client ID: SSW-2_9'
Sample Location: BRONX
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/19/14 19:48
Analyst: BN
Percent Solids: 80%

Date Collected: 10/17/14 14:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	2.5		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.18	1
Bromoform	ND		ug/kg	5.0	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.37	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-08 Date Collected: 10/17/14 14:15

Client ID: SSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.21	1
Xylenes, Total	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	ND		ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.83	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.16	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.64	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-08 Date Collected: 10/17/14 14:15

Client ID: SSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	5.0	0.20	1
p-Ethyltoluene	ND		ug/kg	5.0	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-09
Client ID: TRIP BLANK
Sample Location: BRONX
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/20/14 11:31
Analyst: PD

Date Collected: 10/17/14 00:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-09 Date Collected: 10/17/14 00:00

Client ID: TRIP BLANK Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-09 Date Collected: 10/17/14 00:00

Client ID: TRIP BLANK Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/14 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732573-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/14 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732573-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	0.57	J	ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/14 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732573-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/14 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732573-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 10:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG732673-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.33
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 10:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG732673-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/20/14 10:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG732673-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732573-1 WG732573-2								
Methylene chloride	**69**	Q	71		70-130	3		30
1,1-Dichloroethane	97		100		70-130	3		30
Chloroform	94		96		70-130	2		30
Carbon tetrachloride	104		104		70-130	0		30
1,2-Dichloropropane	94		98		70-130	4		30
Dibromochloromethane	90		93		70-130	3		30
2-Chloroethylvinyl ether	91		94		70-130	3		30
1,1,2-Trichloroethane	95		99		70-130	4		30
Tetrachloroethene	105		107		70-130	2		30
Chlorobenzene	100		102		70-130	2		30
Trichlorofluoromethane	112		111		70-139	1		30
1,2-Dichloroethane	94		97		70-130	3		30
1,1,1-Trichloroethane	103		105		70-130	2		30
Bromodichloromethane	92		94		70-130	2		30
trans-1,3-Dichloropropene	94		98		70-130	4		30
cis-1,3-Dichloropropene	96		98		70-130	2		30
1,1-Dichloropropene	107		107		70-130	0		30
Bromoform	82		85		70-130	4		30
1,1,2,2-Tetrachloroethane	92		95		70-130	3		30
Benzene	100		102		70-130	2		30
Toluene	96		98		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732573-1 WG732573-2								
Ethylbenzene	96		98		70-130	2		30
Chloromethane	100		102		52-130	2		30
Bromomethane	86		87		57-147	1		30
Vinyl chloride	95		95		67-130	0		30
Chloroethane	92		95		50-151	3		30
1,1-Dichloroethene	105		105		65-135	0		30
trans-1,2-Dichloroethene	102		103		70-130	1		30
Trichloroethene	100		102		70-130	2		30
1,2-Dichlorobenzene	99		103		70-130	4		30
1,3-Dichlorobenzene	102		106		70-130	4		30
1,4-Dichlorobenzene	102		105		70-130	3		30
Methyl tert butyl ether	92		95		66-130	3		30
p/m-Xylene	98		101		70-130	3		30
o-Xylene	100		103		70-130	3		30
cis-1,2-Dichloroethene	100		102		70-130	2		30
Dibromomethane	92		97		70-130	5		30
Styrene	100		104		70-130	4		30
Dichlorodifluoromethane	108		108		30-146	0		30
Acetone	86		87		54-140	1		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	81		83		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732573-1 WG732573-2								
Vinyl acetate	91		94		70-130	3		30
4-Methyl-2-pentanone	82		87		70-130	6		30
1,2,3-Trichloropropane	92		95		68-130	3		30
2-Hexanone	78		79		70-130	1		30
Bromochloromethane	98		103		70-130	5		30
2,2-Dichloropropane	104		104		70-130	0		30
1,2-Dibromoethane	96		100		70-130	4		30
1,3-Dichloropropane	96		100		69-130	4		30
1,1,1,2-Tetrachloroethane	97		100		70-130	3		30
Bromobenzene	99		102		70-130	3		30
n-Butylbenzene	110		112		70-130	2		30
sec-Butylbenzene	108		111		70-130	3		30
tert-Butylbenzene	107		110		70-130	3		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	104		107		70-130	3		30
1,2-Dibromo-3-chloropropane	81		85		68-130	5		30
Hexachlorobutadiene	108		110		67-130	2		30
Isopropylbenzene	105		108		70-130	3		30
p-Isopropyltoluene	108		111		70-130	3		30
Naphthalene	90		95		70-130	5		30
Acrylonitrile	91		94		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732573-1 WG732573-2								
Diisopropyl Ether	94		98		66-130	4		30
Tert-Butyl Alcohol	75		77		70-130	3		30
n-Propylbenzene	104		107		70-130	3		30
1,2,3-Trichlorobenzene	96		101		70-130	5		30
1,2,4-Trichlorobenzene	104		108		70-130	4		30
1,3,5-Trimethylbenzene	105		108		70-130	3		30
1,2,4-Trimethylbenzene	104		107		70-130	3		30
Methyl Acetate	87		89		51-146	2		30
Ethyl Acetate	82		84		70-130	2		30
Acrolein	89		93		70-130	4		30
Cyclohexane	108		108		59-142	0		30
1,4-Dioxane	82		84		65-136	2		30
Freon-113	110		108		50-139	2		30
p-Diethylbenzene	107		110		70-130	3		30
p-Ethyltoluene	104		107		70-130	3		30
1,2,4,5-Tetramethylbenzene	102		105		70-130	3		30
Tetrahydrofuran	84		91		66-130	8		30
Ethyl ether	88		91		67-130	3		30
trans-1,4-Dichloro-2-butene	89		91		70-130	2		30
Methyl cyclohexane	110		111		70-130	1		30
Ethyl-Tert-Butyl-Ether	94		98		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732573-1 WG732573-2								
Tertiary-Amyl Methyl Ether	93		97		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG732673-1 WG732673-2								
Methylene chloride	83		81		70-130	2		20
1,1-Dichloroethane	85		82		70-130	4		20
Chloroform	92		90		70-130	2		20
Carbon tetrachloride	89		86		63-132	3		20
1,2-Dichloropropane	84		80		70-130	5		20
Dibromochloromethane	93		90		63-130	3		20
1,1,2-Trichloroethane	86		84		70-130	2		20
Tetrachloroethene	95		91		70-130	4		20
Chlorobenzene	95		91		75-130	4		20
Trichlorofluoromethane	84		82		62-150	2		20
1,2-Dichloroethane	92		91		70-130	1		20
1,1,1-Trichloroethane	92		89		67-130	3		20
Bromodichloromethane	93		91		67-130	2		20
trans-1,3-Dichloropropene	89		87		70-130	2		20
cis-1,3-Dichloropropene	92		87		70-130	6		20
1,1-Dichloropropene	85		83		70-130	2		20
Bromoform	93		92		54-136	1		20
1,1,2,2-Tetrachloroethane	83		84		67-130	1		20
Benzene	87		85		70-130	2		20
Toluene	90		86		70-130	5		20
Ethylbenzene	92		89		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG732673-1 WG732673-2								
Chloromethane	69		**63**	Q	64-130	9		20
Bromomethane	94		90		39-139	4		20
Vinyl chloride	74		70		55-140	6		20
Chloroethane	83		82		55-138	1		20
1,1-Dichloroethene	82		78		61-145	5		20
trans-1,2-Dichloroethene	87		82		70-130	6		20
Trichloroethene	92		86		70-130	7		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	95		94		70-130	1		20
1,4-Dichlorobenzene	94		94		70-130	0		20
Methyl tert butyl ether	82		83		63-130	1		20
p/m-Xylene	94		91		70-130	3		20
o-Xylene	97		94		70-130	3		20
cis-1,2-Dichloroethene	91		88		70-130	3		20
Dibromomethane	88		89		70-130	1		20
1,2,3-Trichloropropane	80		83		64-130	4		20
Acrylonitrile	77		77		70-130	0		20
Styrene	96		93		70-130	3		20
Dichlorodifluoromethane	50		48		36-147	4		20
Acetone	79		88		58-148	11		20
Carbon disulfide	78		76		51-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG732673-1 WG732673-2								
2-Butanone	63		65		63-138	3		20
Vinyl acetate	74		74		70-130	0		20
4-Methyl-2-pentanone	74		77		59-130	4		20
2-Hexanone	71		72		57-130	1		20
Bromochloromethane	100		98		70-130	2		20
2,2-Dichloropropane	97		89		63-133	9		20
1,2-Dibromoethane	88		87		70-130	1		20
1,3-Dichloropropane	86		84		70-130	2		20
1,1,1,2-Tetrachloroethane	99		97		64-130	2		20
Bromobenzene	98		96		70-130	2		20
n-Butylbenzene	85		84		53-136	1		20
sec-Butylbenzene	90		88		70-130	2		20
tert-Butylbenzene	94		92		70-130	2		20
o-Chlorotoluene	93		91		70-130	2		20
p-Chlorotoluene	93		91		70-130	2		20
1,2-Dibromo-3-chloropropane	81		82		41-144	1		20
Hexachlorobutadiene	102		96		63-130	6		20
Isopropylbenzene	96		93		70-130	3		20
p-Isopropyltoluene	91		89		70-130	2		20
Naphthalene	87		86		70-130	1		20
n-Propylbenzene	89		87		69-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG732673-1 WG732673-2								
1,2,3-Trichlorobenzene	91		90		70-130	1		20
1,2,4-Trichlorobenzene	92		91		70-130	1		20
1,3,5-Trimethylbenzene	93		91		64-130	2		20
1,2,4-Trimethylbenzene	90		88		70-130	2		20
1,4-Dioxane	75		82		56-162	9		20
p-Diethylbenzene	98		96		70-130	2		20
p-Ethyltoluene	94		91		70-130	3		20
1,2,4,5-Tetramethylbenzene	90		88		70-130	2		20
Ethyl ether	79		78		59-134	1		20
trans-1,4-Dichloro-2-butene	77		77		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	107		107		70-130

SEMIVOLATILES

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-01	Date Collected:	10/17/14 14:00
Client ID:	WSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 19:27		
Analyst:	JB		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	70.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	66.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-01 Date Collected: 10/17/14 14:00

Client ID: WSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	57.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	430	62.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	950	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	64.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-01	Date Collected:	10/17/14 14:00
Client ID:	WSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	86		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-02	Date Collected:	10/17/14 14:05
Client ID:	WSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 19:55		
Analyst:	JB		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	65.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	55.	1
Naphthalene	2200		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	40.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-02 Date Collected: 10/17/14 14:05

Client ID: WSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	54	J	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	57.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	1600		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	200	60.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-02	Date Collected:	10/17/14 14:05
Client ID:	WSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	89		0-136
4-Terphenyl-d14	94		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-03	Date Collected:	10/17/14 14:30
Client ID:	NSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 20:22		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-03 Date Collected: 10/17/14 14:30

Client ID: NSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	40.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-03	Date Collected:	10/17/14 14:30
Client ID:	NSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	76		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-04	Date Collected:	10/17/14 14:35
Client ID:	NSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 20:50		
Analyst:	JB		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	260		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-04 Date Collected: 10/17/14 14:35

Client ID: NSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	110	J	ug/kg	120	40.	1
Benzo(a)pyrene	82	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	97	J	ug/kg	120	41.	1
Benzo(k)fluoranthene	45	J	ug/kg	120	39.	1
Chrysene	120		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	60	J	ug/kg	120	34.	1
Benzo(ghi)perylene	43	J	ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	100	J	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	48	J	ug/kg	160	45.	1
Pyrene	260		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-04	Date Collected:	10/17/14 14:35
Client ID:	NSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	81		0-136
4-Terphenyl-d14	84		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-05	Date Collected:	10/17/14 14:20
Client ID:	ESW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 21:18		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	190	64.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	190	65.	1
Nitrobenzene	ND		ug/kg	180	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	38.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	50.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-05 Date Collected: 10/17/14 14:20

Client ID: ESW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	43.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	53.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	58.	1
2-Methylphenol	ND		ug/kg	190	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-05	Date Collected:	10/17/14 14:20
Client ID:	ESW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	65		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-06	Date Collected:	10/17/14 14:25
Client ID:	ESW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 21:46		
Analyst:	JB		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	ND		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-06 Date Collected: 10/17/14 14:25

Client ID: ESW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	130	41.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	42.	1
Benzo(k)fluoranthene	ND		ug/kg	130	40.	1
Chrysene	ND		ug/kg	130	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	130	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	47.	1
Pyrene	ND		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
P-Chloro-M-Cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-06	Date Collected:	10/17/14 14:25
Client ID:	ESW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	58		0-136
4-Terphenyl-d14	61		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-07	Date Collected:	10/17/14 14:10
Client ID:	SSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 22:13		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-07 Date Collected: 10/17/14 14:10

Client ID: SSW-1_7' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-07	Date Collected:	10/17/14 14:10
Client ID:	SSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	59		0-136
4-Terphenyl-d14	57		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-08	Date Collected:	10/17/14 14:15
Client ID:	SSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/18/14 01:57
Analytical Date:	10/18/14 22:41		
Analyst:	JB		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	58.	1
2-Chloronaphthalene	ND		ug/kg	200	67.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	65.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	55.	1
Naphthalene	250		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	54.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	40.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-08 Date Collected: 10/17/14 14:15

Client ID: SSW-2_9' Date Received: 10/17/14

Sample Location: BRONX Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	43.	1
Fluorene	ND		ug/kg	200	59.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	57.	1
4-Nitroaniline	ND		ug/kg	200	56.	1
Dibenzofuran	ND		ug/kg	200	69.	1
2-Methylnaphthalene	290		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	64.	1
Acetophenone	ND		ug/kg	200	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	200	60.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	67.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	990	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	61.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-08	Date Collected:	10/17/14 14:15
Client ID:	SSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	55		0-136
4-Terphenyl-d14	54		18-120

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/14 16:12
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/18/14 00:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732300-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/14 16:12
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/18/14 00:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732300-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	31.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/18/14 16:12
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/18/14 00:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG732300-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	90		0-136
4-Terphenyl-d14	94		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732300-2 WG732300-3								
Acenaphthene	71		75		31-137	5		50
1,2,4-Trichlorobenzene	38		62		38-107	48		50
Hexachlorobenzene	77		70		40-140	10		50
Bis(2-chloroethyl)ether	**33**	Q	60		40-140	**58**	Q	50
2-Chloronaphthalene	66		76		40-140	14		50
1,2-Dichlorobenzene	**34**	Q	60		40-140	**55**	Q	50
1,3-Dichlorobenzene	**33**	Q	59		40-140	**57**	Q	50
1,4-Dichlorobenzene	33		59		28-104	**57**	Q	50
3,3'-Dichlorobenzidine	79		67		40-140	16		50
2,4-Dinitrotoluene	88		80		28-89	10		50
2,6-Dinitrotoluene	84		81		40-140	4		50
Fluoranthene	90		78		40-140	14		50
4-Chlorophenyl phenyl ether	75		75		40-140	0		50
4-Bromophenyl phenyl ether	79		74		40-140	7		50
Bis(2-chloroisopropyl)ether	**32**	Q	59		40-140	**59**	Q	50
Bis(2-chloroethoxy)methane	58		76		40-117	27		50
Hexachlorobutadiene	**34**	Q	62		40-140	**58**	Q	50
Hexachlorocyclopentadiene	46		76		40-140	49		50
Hexachloroethane	**33**	Q	61		40-140	**60**	Q	50
Isophorone	62		76		40-140	20		50
Naphthalene	44		68		40-140	43		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732300-2 WG732300-3								
Nitrobenzene	42		68		40-140	47		50
NitrosoDiPhenylAmine(NDPA)/DPA	84		78			7		50
n-Nitrosodi-n-propylamine	54		74		32-121	31		50
Bis(2-Ethylhexyl)phthalate	98		83		40-140	17		50
Butyl benzyl phthalate	99		86		40-140	14		50
Di-n-butylphthalate	96		82		40-140	16		50
Di-n-octylphthalate	101		86		40-140	16		50
Diethyl phthalate	87		79		40-140	10		50
Dimethyl phthalate	80		78		40-140	3		50
Benzo(a)anthracene	89		76		40-140	16		50
Benzo(a)pyrene	88		75		40-140	16		50
Benzo(b)fluoranthene	87		75		40-140	15		50
Benzo(k)fluoranthene	86		72		40-140	18		50
Chrysene	87		76		40-140	13		50
Acenaphthylene	73		77		40-140	5		50
Anthracene	87		80		40-140	8		50
Benzo(ghi)perylene	86		75		40-140	14		50
Fluorene	77		76		40-140	1		50
Phenanthrene	84		77		40-140	9		50
Dibenzo(a,h)anthracene	88		76		40-140	15		50
Indeno(1,2,3-cd)Pyrene	87		76		40-140	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732300-2 WG732300-3								
Pyrene	90		78		35-142	14		50
Biphenyl	70		80			13		50
4-Chloroaniline	73		87		40-140	18		50
2-Nitroaniline	86		83		47-134	4		50
3-Nitroaniline	81		74		26-129	9		50
4-Nitroaniline	94		82		41-125	14		50
Dibenzofuran	72		75		40-140	4		50
2-Methylnaphthalene	58		73		40-140	23		50
1,2,4,5-Tetrachlorobenzene	58		72		40-117	22		50
Acetophenone	50		76		14-144	41		50
2,4,6-Trichlorophenol	77		81		30-130	5		50
P-Chloro-M-Cresol	89		87		26-103	2		50
2-Chlorophenol	42		72		25-102	**53**	Q	50
2,4-Dichlorophenol	71		83		30-130	16		50
2,4-Dimethylphenol	76		90		30-130	17		50
2-Nitrophenol	52		75		30-130	36		50
4-Nitrophenol	105		90		11-114	15		50
2,4-Dinitrophenol	36		70		4-130	**64**	Q	50
4,6-Dinitro-o-cresol	80		75		10-130	6		50
Pentachlorophenol	76		70		17-109	8		50
Phenol	54		77		26-90	35		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG732300-2 WG732300-3								
2-Methylphenol	60		80		30-130.	29		50
3-Methylphenol/4-Methylphenol	68		82		30-130	19		50
2,4,5-Trichlorophenol	84		80		30-130	5		50
Benzoic Acid	11		33			**100**	Q	50
Benzyl Alcohol	57		78		40-140	31		50
Carbazole	91		79		54-128	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	39		74		25-120
Phenol-d6	64		91		10-120
Nitrobenzene-d5	52		83		23-120
2-Fluorobiphenyl	74		85		30-120
2,4,6-Tribromophenol	85		75		0-136
4-Terphenyl-d14	93		80		18-120

PCBS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-01	Date Collected:	10/17/14 14:00
Client ID:	WSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 18:39	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.9	3.15	1	A
Aroclor 1221	ND		ug/kg	39.9	3.68	1	A
Aroclor 1232	ND		ug/kg	39.9	4.67	1	A
Aroclor 1242	ND		ug/kg	39.9	4.88	1	A
Aroclor 1248	ND		ug/kg	39.9	3.37	1	A
Aroclor 1254	ND		ug/kg	39.9	3.28	1	A
Aroclor 1260	ND		ug/kg	39.9	3.04	1	A
Aroclor 1262	ND		ug/kg	39.9	1.98	1	A
Aroclor 1268	ND		ug/kg	39.9	5.78	1	A
PCBs, Total	ND		ug/kg	39.9	1.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-02	Date Collected:	10/17/14 14:05
Client ID:	WSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 18:51	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.9	3.23	1	A
Aroclor 1221	ND		ug/kg	40.9	3.78	1	A
Aroclor 1232	ND		ug/kg	40.9	4.80	1	A
Aroclor 1242	ND		ug/kg	40.9	5.01	1	A
Aroclor 1248	ND		ug/kg	40.9	3.46	1	A
Aroclor 1254	ND		ug/kg	40.9	3.36	1	A
Aroclor 1260	ND		ug/kg	40.9	3.12	1	A
Aroclor 1262	ND		ug/kg	40.9	2.03	1	A
Aroclor 1268	ND		ug/kg	40.9	5.94	1	A
PCBs, Total	ND		ug/kg	40.9	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-03	Date Collected:	10/17/14 14:30
Client ID:	NSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 19:03	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.99	1	A
Aroclor 1221	ND		ug/kg	37.8	3.48	1	A
Aroclor 1232	ND		ug/kg	37.8	4.43	1	A
Aroclor 1242	ND		ug/kg	37.8	4.63	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	ND		ug/kg	37.8	3.11	1	A
Aroclor 1260	ND		ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.87	1	A
Aroclor 1268	ND		ug/kg	37.8	5.48	1	A
PCBs, Total	ND		ug/kg	37.8	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-04	Date Collected:	10/17/14 14:35
Client ID:	NSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 19:16	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.9	3.07	1	A
Aroclor 1221	ND		ug/kg	38.9	3.58	1	A
Aroclor 1232	ND		ug/kg	38.9	4.56	1	A
Aroclor 1242	ND		ug/kg	38.9	4.76	1	A
Aroclor 1248	ND		ug/kg	38.9	3.28	1	A
Aroclor 1254	ND		ug/kg	38.9	3.20	1	A
Aroclor 1260	ND		ug/kg	38.9	2.96	1	A
Aroclor 1262	ND		ug/kg	38.9	1.93	1	A
Aroclor 1268	ND		ug/kg	38.9	5.64	1	A
PCBs, Total	ND		ug/kg	38.9	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-05	Date Collected:	10/17/14 14:20
Client ID:	ESW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 19:28	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	3.05	1	A
Aroclor 1221	ND		ug/kg	38.7	3.56	1	A
Aroclor 1232	ND		ug/kg	38.7	4.53	1	A
Aroclor 1242	ND		ug/kg	38.7	4.73	1	A
Aroclor 1248	ND		ug/kg	38.7	3.26	1	A
Aroclor 1254	ND		ug/kg	38.7	3.18	1	A
Aroclor 1260	ND		ug/kg	38.7	2.94	1	A
Aroclor 1262	ND		ug/kg	38.7	1.92	1	A
Aroclor 1268	ND		ug/kg	38.7	5.60	1	A
PCBs, Total	ND		ug/kg	38.7	1.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-06	Date Collected:	10/17/14 14:25
Client ID:	ESW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 19:41	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	77%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.3	3.34	1	A
Aroclor 1221	ND		ug/kg	42.3	3.90	1	A
Aroclor 1232	ND		ug/kg	42.3	4.96	1	A
Aroclor 1242	ND		ug/kg	42.3	5.18	1	A
Aroclor 1248	ND		ug/kg	42.3	3.57	1	A
Aroclor 1254	ND		ug/kg	42.3	3.48	1	A
Aroclor 1260	ND		ug/kg	42.3	3.22	1	A
Aroclor 1262	ND		ug/kg	42.3	2.10	1	A
Aroclor 1268	ND		ug/kg	42.3	6.14	1	A
PCBs, Total	ND		ug/kg	42.3	2.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-07	Date Collected:	10/17/14 14:10
Client ID:	SSW-1_7'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 19:53	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	2.93	1	A
Aroclor 1221	ND		ug/kg	37.1	3.42	1	A
Aroclor 1232	ND		ug/kg	37.1	4.35	1	A
Aroclor 1242	ND		ug/kg	37.1	4.54	1	A
Aroclor 1248	ND		ug/kg	37.1	3.13	1	A
Aroclor 1254	ND		ug/kg	37.1	3.05	1	A
Aroclor 1260	ND		ug/kg	37.1	2.83	1	A
Aroclor 1262	ND		ug/kg	37.1	1.84	1	A
Aroclor 1268	ND		ug/kg	37.1	5.38	1	A
PCBs, Total	ND		ug/kg	37.1	1.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID:	L1424836-08	Date Collected:	10/17/14 14:15
Client ID:	SSW-2_9'	Date Received:	10/17/14
Sample Location:	BRONX	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/18/14 03:34
Analytical Date:	10/18/14 20:05	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	10/18/14
Percent Solids:	80%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	3.27	1	A
Aroclor 1221	ND		ug/kg	41.3	3.81	1	A
Aroclor 1232	ND		ug/kg	41.3	4.84	1	A
Aroclor 1242	ND		ug/kg	41.3	5.06	1	A
Aroclor 1248	ND		ug/kg	41.3	3.49	1	A
Aroclor 1254	ND		ug/kg	41.3	3.40	1	A
Aroclor 1260	ND		ug/kg	41.3	3.15	1	A
Aroclor 1262	ND		ug/kg	41.3	2.05	1	A
Aroclor 1268	ND		ug/kg	41.3	6.00	1	A
PCBs, Total	ND		ug/kg	41.3	2.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 5520 BROADWAY

Project Number: 1924.0008Y

Lab Number: L1424836

Report Date: 10/21/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/18/14 18:02
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 10/18/14 03:34
Cleanup Method: EPA 3665A
Cleanup Date: 10/18/14
Cleanup Method: EPA 3660B
Cleanup Date: 10/18/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG732321-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.91	A
Aroclor 1232	ND		ug/kg	31.5	3.70	A
Aroclor 1242	ND		ug/kg	31.5	3.86	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.57	A
PCBs, Total	ND		ug/kg	31.5	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG732321-2 WG732321-3									
Aroclor 1016	77		77		40-140	0		50	A
Aroclor 1260	86		87		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	A
Decachlorobiphenyl	66		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		85		30-150	B
Decachlorobiphenyl	67		68		30-150	B

METALS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-01
Client ID: WSW-1_7'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 83%

Date Collected: 10/17/14 14:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	9.2	1.8	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Antimony, Total	1.8	J	mg/kg	4.6	0.74	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Arsenic, Total	2.6		mg/kg	0.92	0.18	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Barium, Total	74		mg/kg	0.92	0.28	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Beryllium, Total	0.40	J	mg/kg	0.46	0.09	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.92	0.07	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Calcium, Total	2000		mg/kg	9.2	2.8	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Chromium, Total	24		mg/kg	0.92	0.18	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Cobalt, Total	7.5		mg/kg	1.8	0.46	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	0.92	0.18	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.6	1.8	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Lead, Total	54		mg/kg	4.6	0.18	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Magnesium, Total	3700		mg/kg	9.2	0.92	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Manganese, Total	320		mg/kg	0.92	0.18	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Mercury, Total	0.09		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 12:59	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.37	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Potassium, Total	1400		mg/kg	230	37.	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.28	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.92	0.18	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Sodium, Total	180		mg/kg	180	28.	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.37	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Vanadium, Total	26		mg/kg	0.92	0.09	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH
Zinc, Total	56		mg/kg	4.6	0.65	2	10/20/14 12:21	10/20/14 14:36	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-02
Client ID: WSW-2_9'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 81%

Date Collected: 10/17/14 14:05
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12000		mg/kg	9.6	1.9	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.8	0.77	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Arsenic, Total	2.3		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Barium, Total	75		mg/kg	0.96	0.29	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Beryllium, Total	0.48		mg/kg	0.48	0.10	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.96	0.07	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Calcium, Total	1800		mg/kg	9.6	2.9	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Cobalt, Total	6.0		mg/kg	1.9	0.48	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	4.8	1.9	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Lead, Total	23		mg/kg	4.8	0.19	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Magnesium, Total	2700		mg/kg	9.6	0.96	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Manganese, Total	260		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 13:01	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.4	0.38	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Potassium, Total	940		mg/kg	240	38.	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.29	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Sodium, Total	130	J	mg/kg	190	29.	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Vanadium, Total	20		mg/kg	0.96	0.10	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH
Zinc, Total	40		mg/kg	4.8	0.67	2	10/20/14 12:21	10/20/14 14:39	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-03
Client ID: NSW-1_7'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/17/14 14:30
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	9.1	1.8	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.73	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Arsenic, Total	0.64	J	mg/kg	0.91	0.18	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Barium, Total	110		mg/kg	0.91	0.27	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.46	0.09	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.91	0.06	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Calcium, Total	3000		mg/kg	9.1	2.7	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.91	0.18	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Cobalt, Total	15		mg/kg	1.8	0.46	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Copper, Total	26		mg/kg	0.91	0.18	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Iron, Total	25000		mg/kg	4.6	1.8	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Lead, Total	3.0	J	mg/kg	4.6	0.18	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Magnesium, Total	6600		mg/kg	9.1	0.91	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Manganese, Total	290		mg/kg	0.91	0.18	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/18/14 08:27	10/20/14 13:03	EPA 7471B	1,7471B	MC
Nickel, Total	16		mg/kg	2.3	0.36	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Potassium, Total	3700		mg/kg	230	36.	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.91	0.18	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Sodium, Total	120	J	mg/kg	180	27.	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Vanadium, Total	57		mg/kg	0.91	0.09	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH
Zinc, Total	55		mg/kg	4.6	0.64	2	10/20/14 12:21	10/20/14 14:43	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-04
Client ID: NSW-2_9'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 81%

Date Collected: 10/17/14 14:35
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	9.6	1.9	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.8	0.76	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Arsenic, Total	2.5		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Barium, Total	74		mg/kg	0.96	0.29	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Beryllium, Total	0.43	J	mg/kg	0.48	0.10	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.96	0.07	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Calcium, Total	1500		mg/kg	9.6	2.9	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Chromium, Total	26		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Cobalt, Total	8.2		mg/kg	1.9	0.48	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.8	1.9	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Lead, Total	60		mg/kg	4.8	0.19	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Magnesium, Total	4000		mg/kg	9.6	0.96	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Manganese, Total	190		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Mercury, Total	0.069	J	mg/kg	0.078	0.016	1	10/18/14 08:27	10/20/14 13:05	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.4	0.38	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Potassium, Total	1300		mg/kg	240	38.	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.29	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.96	0.19	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Sodium, Total	88	J	mg/kg	190	29.	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Vanadium, Total	28		mg/kg	0.96	0.10	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH
Zinc, Total	60		mg/kg	4.8	0.67	2	10/20/14 12:21	10/20/14 15:29	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-05
Client ID: ESW-1_7'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 84%

Date Collected: 10/17/14 14:20
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	9.0	1.8	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.5	0.72	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Arsenic, Total	2.9		mg/kg	0.90	0.18	2	10/20/14 12:21	10/20/14 16:28	EPA 3050B	1,6010C	JH
Barium, Total	78		mg/kg	0.90	0.27	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Beryllium, Total	0.32	J	mg/kg	0.45	0.09	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.90	0.06	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Calcium, Total	1300		mg/kg	9.0	2.7	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Chromium, Total	38		mg/kg	0.90	0.18	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Cobalt, Total	9.2		mg/kg	1.8	0.45	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Copper, Total	22		mg/kg	0.90	0.18	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Iron, Total	17000		mg/kg	4.5	1.8	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Lead, Total	45		mg/kg	4.5	0.18	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Magnesium, Total	4900		mg/kg	9.0	0.90	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Manganese, Total	320		mg/kg	0.90	0.18	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Mercury, Total	0.13		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 13:07	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.2	0.36	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Potassium, Total	2000		mg/kg	220	36.	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.90	0.18	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Sodium, Total	91	J	mg/kg	180	27.	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Vanadium, Total	32		mg/kg	0.90	0.09	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH
Zinc, Total	48		mg/kg	4.5	0.63	2	10/20/14 12:21	10/20/14 15:32	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-06
Client ID: ESW-2_9'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 77%

Date Collected: 10/17/14 14:25
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	13000		mg/kg	10	2.0	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	5.0	0.80	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Arsenic, Total	ND		mg/kg	2.5	0.50	5	10/20/14 12:21	10/20/14 18:59	EPA 3050B	1,6010C	JH
Barium, Total	73		mg/kg	1.0	0.30	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Beryllium, Total	0.33	J	mg/kg	0.50	0.10	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.0	0.07	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Calcium, Total	9200		mg/kg	10	3.0	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Chromium, Total	37		mg/kg	1.0	0.20	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Cobalt, Total	7.9		mg/kg	2.0	0.50	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Copper, Total	22		mg/kg	1.0	0.20	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	5.0	2.0	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Lead, Total	45		mg/kg	5.0	0.20	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Magnesium, Total	7100		mg/kg	10	1.0	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Manganese, Total	280		mg/kg	1.0	0.20	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Mercury, Total	0.12		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 13:08	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	2.5	0.40	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Potassium, Total	2000		mg/kg	250	40.	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.30	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.0	0.20	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Sodium, Total	100	J	mg/kg	200	30.	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.40	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Vanadium, Total	29		mg/kg	1.0	0.10	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH
Zinc, Total	57		mg/kg	5.0	0.70	2	10/20/14 12:21	10/20/14 15:36	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-07
Client ID: SSW-1_7'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/17/14 14:10
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	15000		mg/kg	8.9	1.8	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.71	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Arsenic, Total	2.3		mg/kg	0.89	0.18	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Barium, Total	72		mg/kg	0.89	0.27	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Beryllium, Total	0.36	J	mg/kg	0.44	0.09	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.89	0.06	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Calcium, Total	1500		mg/kg	8.9	2.7	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Chromium, Total	38		mg/kg	0.89	0.18	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Cobalt, Total	8.8		mg/kg	1.8	0.44	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Copper, Total	25		mg/kg	0.89	0.18	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Iron, Total	18000		mg/kg	4.4	1.8	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Lead, Total	33		mg/kg	4.4	0.18	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Magnesium, Total	5200		mg/kg	8.9	0.89	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Manganese, Total	250		mg/kg	0.89	0.18	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Mercury, Total	0.17		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 13:14	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.2	0.36	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Potassium, Total	2100		mg/kg	220	36.	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.89	0.18	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Sodium, Total	98	J	mg/kg	180	27.	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Vanadium, Total	34		mg/kg	0.89	0.09	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH
Zinc, Total	58		mg/kg	4.4	0.62	2	10/20/14 12:21	10/20/14 15:40	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y
Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-08
Client ID: SSW-2_9'
Sample Location: BRONX
Matrix: Soil
Percent Solids: 80%

Date Collected: 10/17/14 14:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	9.5	1.9	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.8	0.76	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Arsenic, Total	0.43	J	mg/kg	1.4	0.28	3	10/20/14 12:21	10/20/14 18:50	EPA 3050B	1,6010C	JH
Barium, Total	46		mg/kg	0.95	0.28	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26	J	mg/kg	0.48	0.10	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.95	0.07	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Calcium, Total	48000		mg/kg	9.5	2.8	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Chromium, Total	20		mg/kg	0.95	0.19	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Cobalt, Total	6.0		mg/kg	1.9	0.48	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	0.95	0.19	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.8	1.9	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Lead, Total	31		mg/kg	4.8	0.19	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Magnesium, Total	23000		mg/kg	9.5	0.95	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Manganese, Total	420		mg/kg	0.95	0.19	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Mercury, Total	0.12		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 13:16	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.4	0.38	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Potassium, Total	1500		mg/kg	240	38.	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.95	0.19	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Sodium, Total	110	J	mg/kg	190	28.	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Vanadium, Total	22		mg/kg	0.95	0.10	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH
Zinc, Total	56		mg/kg	4.8	0.67	2	10/20/14 12:21	10/20/14 15:44	EPA 3050B	1,6010C	JH

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG732315-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/18/14 08:27	10/20/14 12:29	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG732567-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Copper, Total	0.16	J	mg/kg	0.40	0.08	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Selenium, Total	0.17	J	mg/kg	0.80	0.12	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/20/14 12:21	10/20/14 13:51	1,6010C	JH

Project Name: 5520 BROADWAY **Lab Number:** L1424836

Project Number: 1924.0008Y **Report Date:** 10/21/14

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG732315-2 SRM Lot Number: D083-540								
Mercury, Total	116		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG732567-2 SRM Lot Number: D083-540					
Aluminum, Total	76	-	51-148	-	
Antimony, Total	181	-	1-210	-	
Arsenic, Total	98	-	78-122	-	
Barium, Total	90	-	82-117	-	
Beryllium, Total	98	-	82-118	-	
Cadmium, Total	93	-	82-118	-	
Calcium, Total	91	-	82-118	-	
Chromium, Total	90	-	79-121	-	
Cobalt, Total	94	-	83-117	-	
Copper, Total	96	-	80-120	-	
Iron, Total	86	-	47-153	-	
Lead, Total	91	-	81-119	-	
Magnesium, Total	79	-	75-124	-	
Manganese, Total	92	-	81-119	-	
Nickel, Total	90	-	82-118	-	
Potassium, Total	92	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	96	-	74-125	-	
Sodium, Total	102	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	91	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG732567-2 SRM Lot Number: D083-540					
Zinc, Total	92	-	80-121	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG732315-4 QC Sample: L1424780-01 Client ID: MS Sample												
Mercury, Total	0.43	0.141	0.56	92		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG732567-4 QC Sample: L1424770-01 Client ID: MS Sample										
Aluminum, Total	38000	374	38000	**0**	Q	-	-	75-125	-	20
Antimony, Total	ND	93.6	51	**54**	Q	-	-	75-125	-	20
Arsenic, Total	2.0	22.5	18	**71**	Q	-	-	75-125	-	20
Barium, Total	270	374	510	**64**	Q	-	-	75-125	-	20
Beryllium, Total	6.1	9.36	12	**63**	Q	-	-	75-125	-	20
Cadmium, Total	ND	9.55	5.3	**56**	Q	-	-	75-125	-	20
Calcium, Total	120000	1870	120000	**0**	Q	-	-	75-125	-	20
Chromium, Total	1.7	37.4	23	**57**	Q	-	-	75-125	-	20
Cobalt, Total	ND	93.6	49	**52**	Q	-	-	75-125	-	20
Copper, Total	2.0	46.8	34	**68**	Q	-	-	75-125	-	20
Iron, Total	2700	187	4300	**855**	Q	-	-	75-125	-	20
Lead, Total	0.69J	95.5	52	**54**	Q	-	-	75-125	-	20
Magnesium, Total	4900	1870	5700	**43**	Q	-	-	75-125	-	20
Manganese, Total	1300	93.6	1400	107		-	-	75-125	-	20
Nickel, Total	ND	93.6	47	**50**	Q	-	-	75-125	-	20
Potassium, Total	540	1870	1800	**67**	Q	-	-	75-125	-	20
Selenium, Total	1.7J	22.5	17	76		-	-	75-125	-	20
Silver, Total	ND	56.2	43	76		-	-	75-125	-	20
Sodium, Total	140J	1870	1400	75		-	-	75-125	-	20
Thallium, Total	ND	22.5	8.5	**38**	Q	-	-	75-125	-	20
Vanadium, Total	3.6	93.6	60	**60**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG732567-4 QC Sample: L1424770-01 Client ID: MS Sample										
Zinc, Total	2.1J	93.6	56	**60**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG732315-3 QC Sample: L1424780-01 Client ID: DUP Sample						
Mercury, Total	0.43	0.38	mg/kg	12		20
Total Metals - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG732567-3 QC Sample: L1424770-01 Client ID: DUP Sample						
Arsenic, Total	2.0	1.3	mg/kg	**42**	Q	20
Barium, Total	270	260	mg/kg	4		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	1.7	1.6	mg/kg	6		20
Lead, Total	0.69J	0.93J	mg/kg	NC		20
Selenium, Total	1.7J	2.0	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-01
Client ID: WSW-1_7'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:00
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-02
Client ID: WSW-2_9'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:05
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-03
Client ID: NSW-1_7'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:30
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-04
Client ID: NSW-2_9'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:35
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-05
Client ID: ESW-1_7'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:20
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-06
Client ID: ESW-2_9'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:25
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-07
Client ID: SSW-1_7'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:10
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

SAMPLE RESULTS

Lab ID: L1424836-08
Client ID: SSW-2_9'
Sample Location: BRONX
Matrix: Soil

Date Collected: 10/17/14 14:15
Date Received: 10/17/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	10/18/14 02:50	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG732316-1 QC Sample: L1424757-01 Client ID: DUP Sample						
Solids, Total	47.8	46.0	%	4		20

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424836-01A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-01B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-02A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-02B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-03A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-03B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-04A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424836-04B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-05A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-05B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-06A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-06B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-07A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-07B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-08A	Vial Large Septa unpreserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 5520 BROADWAY
Project Number: 1924.0008Y

Lab Number: L1424836
Report Date: 10/21/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1424836-08B	Amber 250ml unpreserved	B	N/A	3.1	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1424836-09A	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1424836-09B	Vial HCl preserved	B	N/A	3.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	5520 BROADWAY	**Lab Number:**	L1424836
Project Number:	1924.0008Y	**Report Date:**	10/21/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	5520 BROADWAY	**Lab Number:**	L1424836
Project Number:	1924.0008Y	**Report Date:**	10/21/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 5520 BROADWAY **Lab Number:** L1424836
Project Number: 1924.0008Y **Report Date:** 10/21/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL LABORATORIES

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/17/14

ALPHA Job #: L1424836

Project Information
Project Name: 5520 Broadway
Project Location: Bronx
Project #: 1924.000BY
(Use Project name as Project #) ☐
Project Manager: Wendy Monterosso
ALPHAQuote #:

Client Information
Client: Rex Assoc
Address: 209 Shafter
Islandia NY
Phone: 631-232-2600
Fax:
Email: wmonterosso@rexassoc.com

Turn-Around Time
Standard ☐ Due Date: 10/20/14
Rush (only if pre approved) ☒ # of Days: 2

Deliverables
☐ ASP-A ☒ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TCL SVOC	TAL metals	PCB					Sample Specific Comments	Total Bottle
24836-01	WSW-1_7'	10/17/14	1400	S	JG	X	X	X	X						
-02	WSW-2-9'	10/17/14	1405	S	JG	X	X	X	X						
-03	WSW-1_7'	10/17/14	1430	S	JG	X	X	X	X						
-04	WSW-2_9'	10/17/14	1435	S	JG	X	X	X	X						
-05	ESW-1_7'	10/17/14	1420	S	JG	X	X	X	X						
-06	ESW-2_9'	10/17/14	1425	S	JG	X	X	X	X						
-07	SSW-1_7'	10/17/14	1410	S	JG	X	X	X	X						
-08	SSW-2_9'	10/17/14	1415	S	JG	X	X	X	X						
-09	TRIP Blank			TB	Lab	X									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	2oz	8oz					
Preservative	~~HCl~~ A	A	A	A			

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/17/14 1600	[signature] AAL	10-17-14 1600
[signature]	10-17-14 1935	Tom Tobin	10-17-14 1935
Tom Tobin	10-17-14 23:23	[signature]	10/17/14 23:23

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX I-5

UST Closure Documentation

I-5. Tyree Site Excavation Report, July 2013 (5510 Broadway)

SITE EXCAVATION REPORT

NYSDEC SPILL # 93-11138

JULY 2013

FORMER GETTY #58014
5510 BROADWAY
BRONX, NEW YORK

PREPARED FOR:
GETTY PROPERTIES CORP.
125 JERICHO TPKE
JERICHO, NY 11753

PREPARED BY:

TYREE ENVIRONMENTAL CORP.
208 ROUTE 109, SUITE 100
FARMINGDALE, NEW YORK 11735
(631) 249-3150

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1.2 Site History 3
1.3 Geology / Hydrogeology 4
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Figure 2 U.S.G.S. Topographic Map
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Appendix A Photographic Documentation
Appendix B Liquid and Soil Waste Disposal Manifests
Appendix C Laboratory Analytical Reports

1.0 INTRODUCTION

Tyree Environmental Corp. (Tyree) has prepared this Site Excavation Report on behalf of Getty Properties Corp. for the former Getty Service Station #58014 located at 5510 Broadway, Bronx, New York. The excavation activities were conducted in order to address residual contaminated soil mass as indicated in Tyree's Remedial Action Work Plan dated September 6, 2012.

1.1 Subject Site and Surrounding Properties

The subject property, located at 5510 Broadway, Bronx, New York, is currently unoccupied. The subject site consists of a 1-story masonry building with an attached canopy which was previously used as a Getty gasoline station and auto repair facility. The former Getty site had been divested of all known USTs, product dispensers and ancillary piping and remains unimproved. Refer to **Figure 1** for the locations of all relevant site features.

The subject site is bordered by Broadway to the west and West 230th Street to the south. A vacant lot is located adjacent to the north and a parking lot is located adjacent to the east. Surrounding properties consist mostly of single- and 2-story commercial and retail buildings. An elevated subway line is located along Broadway.

1.2 Site History

In July 1994, Tyree was retained by Getty to complete an environmental site investigation and report for the Service Station property. As part of the July 1994 investigation, Tyree installed five groundwater monitoring wells (MW-1 through MW-6). Each location was completed to a depth of approximately 20 feet bgs. Soil and groundwater samples were collected from each location for laboratory analysis. Tyree reported that elevated levels of hydrocarbons were detected in the soil and groundwater samples collected from monitoring wells MW-1 through MW-5.

In August 1998, Tyree completed the installation of monitoring wells MW-7 through MW-10 and also completed the installation of a Dual Phase High Vacuum Extraction System (DPHVES). The DPHVES was activated on August 28, 1998. The system consisted of one positive displacement blower connected by a manifold to monitoring wells MW-1 through MW-3 and MW-5 through MW-10. The extracted groundwater was treated with a low profile air stripper and discharged to the sanitary sewer system.

On November 28 and 29, 2005, Tyree completed a subsurface investigation that included the installation of six soil boring that were completed as monitoring wells MW-11 through MW-16. The wells were installed to delineate off-site groundwater impacts. In December 2005 the DPHVES was turned off.

In July 2009, Tyree removed two 4,000-gallon single walled steel gasoline USTs, one, 4,000-gallon single walled steel diesel UST, five product dispensers and the associated product piping from the Service Station during a site divestment that was conducted on behalf of Getty Petroleum Marketing Inc. (GPMI). During removal activities, Tyree personnel observed petroleum hydrocarbon stained soil and a previously unidentified 550-gallon UST. On July 24, 2009, the NYSDEC spill hotline was notified by GPMI and spill number 09-04799 was assigned to the site. Monitoring well MW-9 was destroyed during the 2009 site divestment activities.

In October 2009, Tyree conducted a subsurface investigation consisting of the advancement of nine soil borings (SB-1 through SB-9) at points of known historical soil impacts. Laboratory analytical results identified only minimal concentrations of VOCs in soil samples collected in the vicinity of the former 550-gallon tank field which Getty had been investigating. Laboratory analytical results also identified elevated concentrations of VOCs in soil samples collected in the vicinity of the former GMPI tank system and from locations downgradient of the former GPMI tank field, product dispenser area and former remote fills.

On October 22, 2010, during the groundwater gauging event, the off-site groundwater monitoring wells MW-14 through MW-16 could not be located. These monitoring wells are presumed to have been destroyed.

On August 22, 2011, Tyree, oversaw the reinstallation of monitoring well MW-9.

1.3 Geology / Hydrogeology

The subject property lies primarily on a flat area located approximately 1,700 feet west of the Jerome Park Reservoir. The area lies within the New England Uplands Physiographic Province of New York State. The topography is primarily derived from the most recent recession of the most recent glacial period. The site is supplied by municipal-fed water through the City of New York. The depth to groundwater beneath the site is approximately 10-15 feet below ground surface (bgs).

The bedrock geology of the area is reported as Inwood and dolomite marble, quartzite, overlain by calcite marble: grades into underlying patchy lower quartzite of early Cambrian age. Bedrock is generally exposed within one meter of the surface. Subsurface soils on the project site, as determined by recent excavation activities consist of a brown and grey fine to medium sand with some silt and gravel to depths ranging from 0 to 15 feet bgs.

The 2009 subsurface investigation identified dark gray/olive silty sands at depths of 15 to 20 feet bgs. Refusal (potential bedrock) was encountered at 7 and 10 feet bgs in two of the borings advanced.

The site topography is generally flat and the surface elevation is situated approximately twenty (20) feet above sea level. Groundwater was observed at

approximately 12-14 feet below grade (fbg) in the excavation. The subject site is depicted on **Figure 2 – U.S.G.S. Topographic Map**.

2.0 NOTIFICATIONS

Prior to all site activities, Tyree obtained an underground facility protective organization (UFPO) markout. In addition, a utility disconnect for the electric service was obtained from Consolidated Edison (ConEd). ConEd disconnected the main electric service to the building on-site on March 20, 2013. In addition, there was a suspect gas service line marked out on the subject property, near the southern edge of the proposed excavation. During the excavation work on the northern portion of the proposed excavation, ConEd was contacted about this suspect gas line, and it was determined that there was no gas service to the subject property. Once Tyree received confirmation from ConEd that this gas line did not exist, excavation work on the southern portion of the proposed excavation commenced. No other underground utilities were encountered.

3.0 HEALTH AND SAFETY PLANNING

Tyree prepared a site-specific Health and Safety Plan (HASP) in accordance with the requirements of the Occupational Health and Safety Administration (OSHA Standard 29 CFR 1910.120). All personnel utilized by Tyree have the necessary training and are monitored in accordance with these requirements. The HASP was prepared by Tyree following a review of the site characteristics, location, and local emergency providers.

4.0 SOIL EXCAVATION ACTIVITIES

The excavation activities were conducted from April 26 through May 3, 2013. The following sections summarize the field activities. Photographs were taken to document the field work and are included in **Appendix A**.

4.1 Proposed Excavation

The purpose of the excavation project was to remove contaminated soil in the vicinity of monitoring well MW-9 as well as previous soil boring locations SB-4 and SB-5. The proposed area included the location of an unknown UST which was identified during the 2009 tank removals. There were three areas of proposed excavations that were part of this RAP. These proposed areas are depicted in **Figure 2.** Area #1 was to be excavated from grade to approximately 12-15 feet bgs. Area #2 was to be excavated from grade to approximately five feet bgs. Area #3 was to be excavated to approximately 10-15 feet bgs. At the time of the RAP, it was assumed that there were likely areas of overburden soil in Area #3 that will be clean, which were to be stockpiled and re-used as backfill. Based on the sizes of the approximate areas of excavation, it was estimated that approximately 600 tons of petroleum impacted soil would be removed and disposed from the subject property.

The proposed excavation was not to be excavated into the water table, which is typically around 10-15 feet below grade. However, if soil impacts were observed to extend beneath the water table an effort would be made to remove as much source material as deemed feasible within the saturated zone given site constraints and groundwater recharge conditions.

4.2 Excavation Work Completed

The soil excavation and removal activities occurred at the site during April 26 through May 3, 2013. The northern portion of the proposed excavation was excavated first and based on field observations, impacts extended further than anticipated. The northern portion of the site excavation was dug down to approximately 21' in the middle of the excavation. Sidewall samples were collected from 13'-16' below grade. Some of the overburden soil was clean and stockpiled for re-use. Given the site constraints, further excavation was not possible in this area.

Once the northern portion of the excavation was dug out and removed, the clean overburden was backfilled in the northern portion of the excavation, and additional soil was excavated from the southern portion of the excavation. It was in this portion of the excavation that underground storage tanks were identified and removed (see Section 5.0). Excavation limits in the southern portion of the excavation were also deeper than originally anticipated, around 19' below grade. Sidewall samples were collected from 7'to 14' below grade.

Once all endpoint samples were collected, the excavation was backfilled to grade with clean recycled Item 4 base material from New York Recycling, LLC from Bronx, NY.

A total of 1037.64 tons of impacted soil was excavated, transported and disposed of at Soil Safe of Logan Township, New Jersey. Copies of the manifests are provided in **Appendix B.**

During the soil excavation activities, groundwater monitoring wells MW-1, MW-2, MW-9 and MW-10 were all destroyed. As part of the initial RAP, Tyree proposed to install three monitoring wells to replace the wells that were lost during the excavation. The NYSDEC will be conducted in the near future to determine if the replacement wells are needed.

5.0 TANK REMOVAL ACTIVITIES

During the excavation work, a total of seven single-wall steel underground storage tanks (USTs) were encountered. The locations of the USTs are shown in **Figure 4**.

5.1 UST System Description

Tyree identified three 550-gallon single-wall steel USTs and four approx. 50-gallon single-wall steel USTs. The 550-gallon USTs appear to be former gasoline tanks, which were completely filled with water/petroleum mixture. The 50-gallon USTs have an unknown origin and were encased in concrete. These tanks were mostly empty with only a small amount of residual liquid remaining in the tanks. The locations of all of the USTs identified are depicted on **Figure 4**.

5.2 Removal Activities

A vacuum truck was utilized to remove all of the remaining liquids present in the 550-gallon gasoline USTs. The tanks appeared to be filled with water with some product. A total of 1,650 gallons of water/petroleum was removed from the USTs and associated piping. Aside from some tank top piping, no remote fills or product piping was observed from the tanks. Copies of the waste disposal manifests are included in **Appendix B**.

The 550-gallon gasoline tanks were noted to be in fair condition with no evidence of holes, pitting, deterioration, etc. They were excavated, cut open and cleaned out. The 50-gallon USTs were found to be corroded with some holes. The concrete encasement for the 50-gallon tanks was broken and the tanks were removed and cleaned out. All of the steel tanks were removed from the property and transported to a recycling facility.

Since these tanks were identified within the footprint of the soil excavation work, soils from beneath the tanks were excavated and removed.

5.3 Regulatory Compliance

There was no previously known documentation of the USTs removed during the recent excavation activities. During previous fieldwork it was determined that there was a subsurface anomaly in the area of the 550-gallon USTs, however the exact nature of the anomaly was unknown. Once completely identified, the tanks were registered with the NYSDEC Petroleum Bulk Storage (PBS) Division in Region 2.

6.0 ENDPOINT SAMPLING

6.1 Soil Sampling

Endpoint soil samples were collected from the excavation bottom, the sidewalls, and in the vicinity of the USTs which were removed. Sampling locations are identified in **Figure 4.** A total of 15 soil samples were collected for analysis.

A portion of each sample was placed in a re-sealable plastic storage bag and agitated so as to allow any adsorbed petroleum to volatilize. The bags were agitated for approximately 30 seconds each in order to let the vapors accumulate in the headspace. Each sample was field-screened with a photoionization detector (PID) to determine qualitative

volatile organic compound (VOC) concentrations. The samples were inspected for visual and olfactory evidence of contamination such as staining, odors, etc. There was petroleum odor and/or staining noted in some of the endpoint samples collected. A summary of the soil samples collected and their respective PID readings is provided in **Table #1.**

The soil samples were placed in laboratory supplied glassware, packed on ice, and submitted to Accutest Laboratories. The soil samples were submitted for analysis of VOCs by EPA Method 8260 (STARS) as well as semi-volatile organic compounds (SVOCs) by EPA Method 8270 (STARS).

The analytical results for the soil samples were compared to the Unrestricted Use Soil Cleanup Objectives (USCOs) listed in CP-51 and NYCRR Subpart 375-6 – Remedial Program Soil Cleanup Objectives.

There were elevated levels of VOCs detected in some of the endpoint samples. The samples with the highest levels above the USCOs were from the east bottom sample and southern bottom sample (E Bottom and S Bottom). The east excavation sidewall (E Side) had some VOCs which were above the USCOs, but not as significant. Five other endpoint samples contained some VOCs at levels only slightly above the USCOs. The remaining seven samples did not have any VOCs detected above their respective USCOs. None of the samples collected were found to contain any SVOCs above their respective USCOs. The analytical data for the soil samples is summarized in **Table #2** and **Table #3**. The laboratory data package is attached in **Appendix C**.

6.2 Groundwater Sampling

Groundwater was encountered minimally during the tank removal activities. The water was visibly impacted with petroleum. Given that there was existing groundwater data for the site, and that future groundwater sampling will be conducted, a groundwater sample was not collected as part of the sampling protocol.

7.0 CONCLUSIONS

A total of 1,037.64 tons of petroleum-impacted soil were removed from the site and transported to Soil Safe in Logan, NJ for recycling.

During the soil removal, a total of seven (7) single-wall steel USTs and associated piping systems were removed from the site. There is currently no known underground storage tanks present at the site.

Representative soil samples were collected from the sidewalls and bottom of the excavation area. The soil samples were submitted for analysis of VOCs utilizing EPA Method 8021 (STARS) and SVOCs by EPA Method 8270 (STARS). The analytical results were compared to the Unrestricted Use Soil Cleanup Objectives (USCOs) listed in CP-51 and NYCRR Subpart 375-6 – Remedial Program Soil Cleanup Objectives. The

analytical data for the soil indicated that there were VOCs detected above regulatory cleanup objectives in eight of the samples submitted for analysis.

Although the samples were compared to the unrestricted soil cleanup objectives as provided by the NYSDEC, of all the samples collected, only one contained contaminants above the restricted use (Protection of Public Health, Commercial Properties) cleanup objectives. The sample from the excavation bottom on the southern portion of the excavation (S Bottom) at 19 feet below grade had three VOCs above the restricted SCOs (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and total xylenes). All other compounds in this sample and all other samples contained VOCs which were beneath the restricted SCOs for each compound.

8.0 RECOMMENDATIONS

Based upon the activities conducted, Tyree will work with the NYSDEC to evaluate the need to replace monitoring wells which were damaged during excavation activities. Groundwater monitoring of the existing well network will continue on a quarterly basis.

If you require anything further please do not hesitate to contact me at 631-249-3150 extension 311 or phatcher@tyreeorg.com.

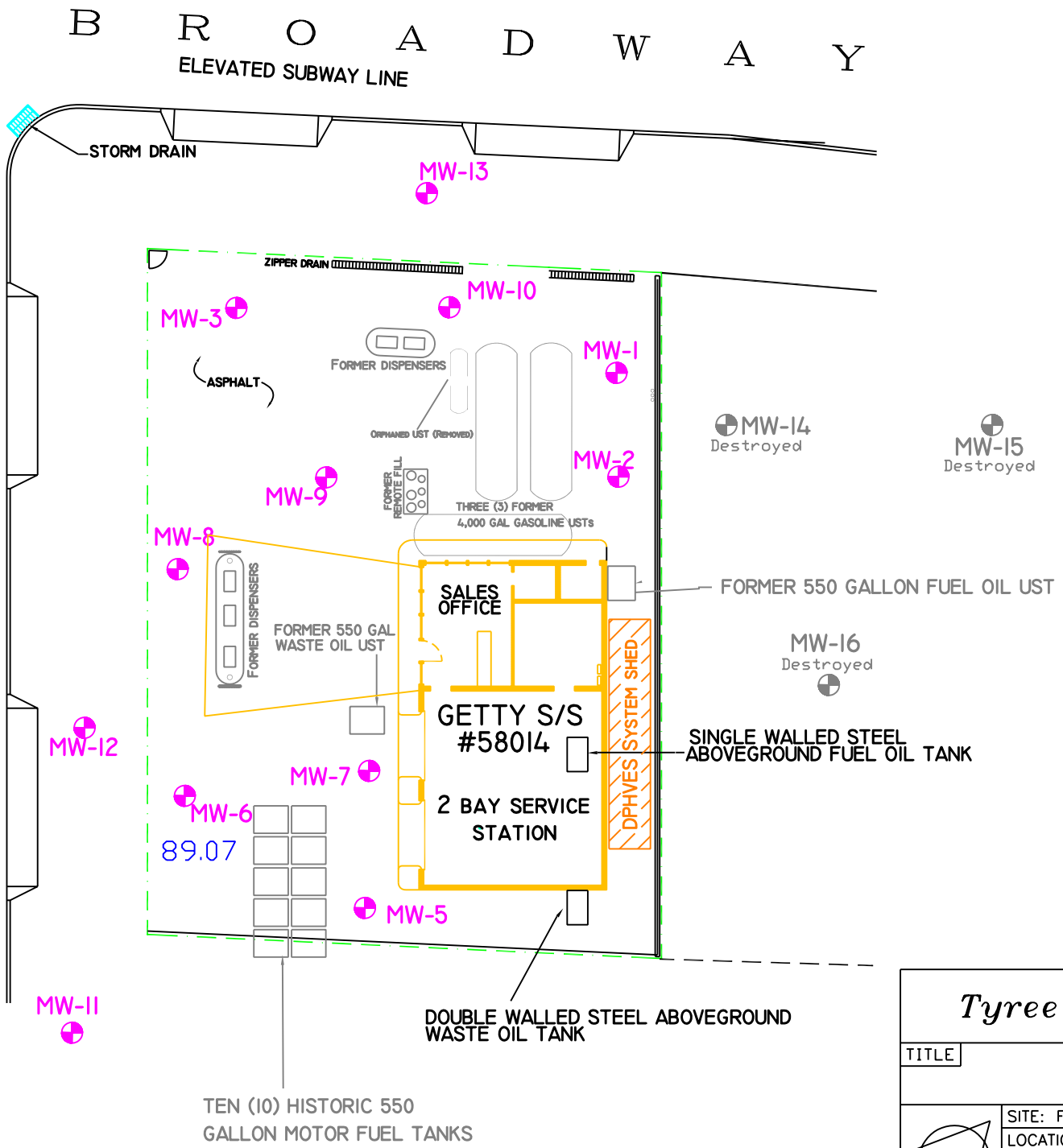
This report was prepared by:

Paul M. Hatcher
Environmental Project Manager

9.0 DISCLAIMER

This report was prepared for the sole use of Getty Realty Corp (Getty). The conclusions provided by Tyree in this assessment are based solely on the information provided in this document. Future investigative site information which was not available to Tyree at the time of this report preparation may result in a modification of conclusions stated within. The conclusions presented are based solely on the current regulatory climate and may require revision if future regulatory changes occur. All field activities have been performed in accordance with generally accepted hydrogeologic practices and under the guideline set forth by the NYSDEC. No other warranty, expressed or implied, is made.

FIGURES



Tyree Environmental Corp

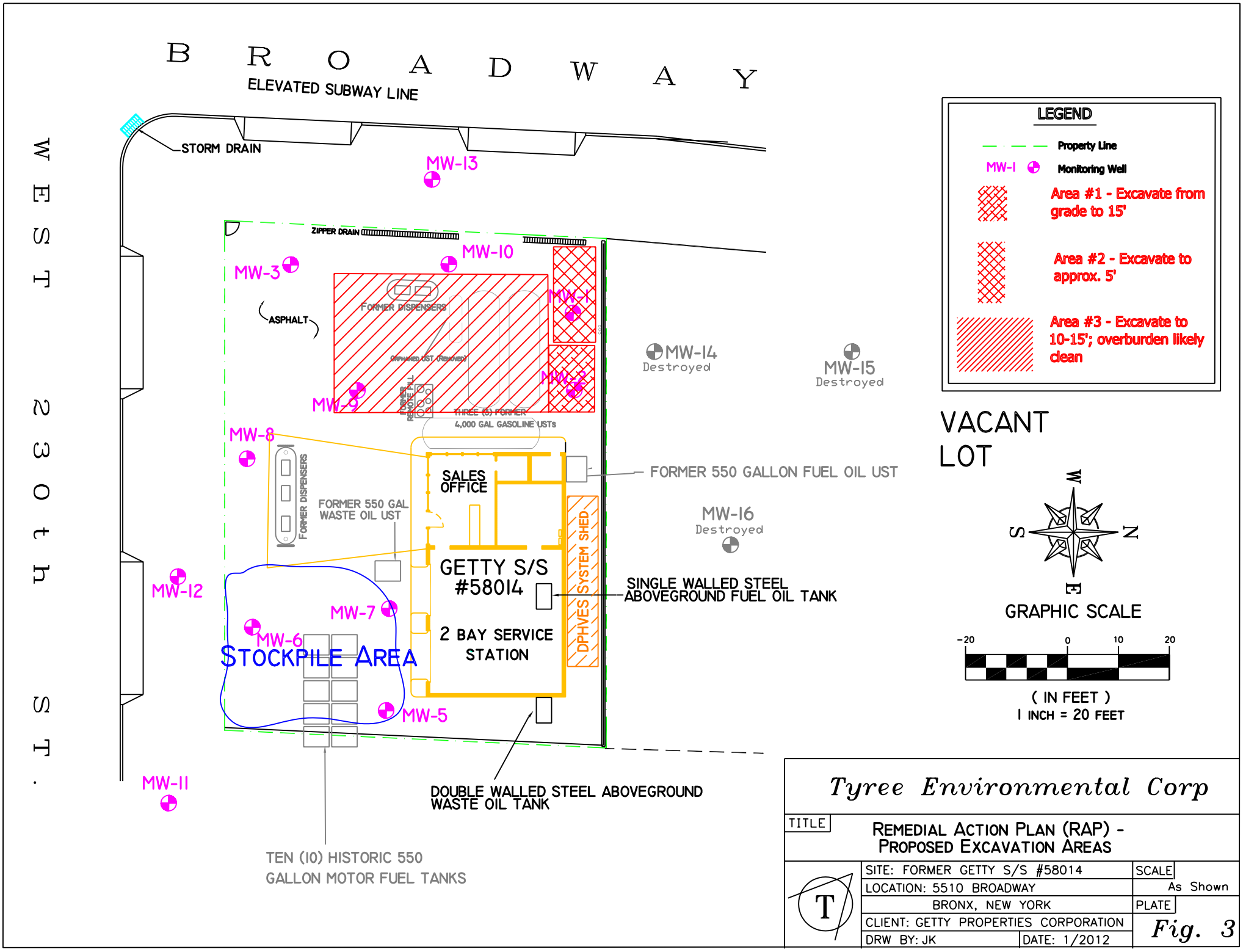
TITLE: SITE PLAN

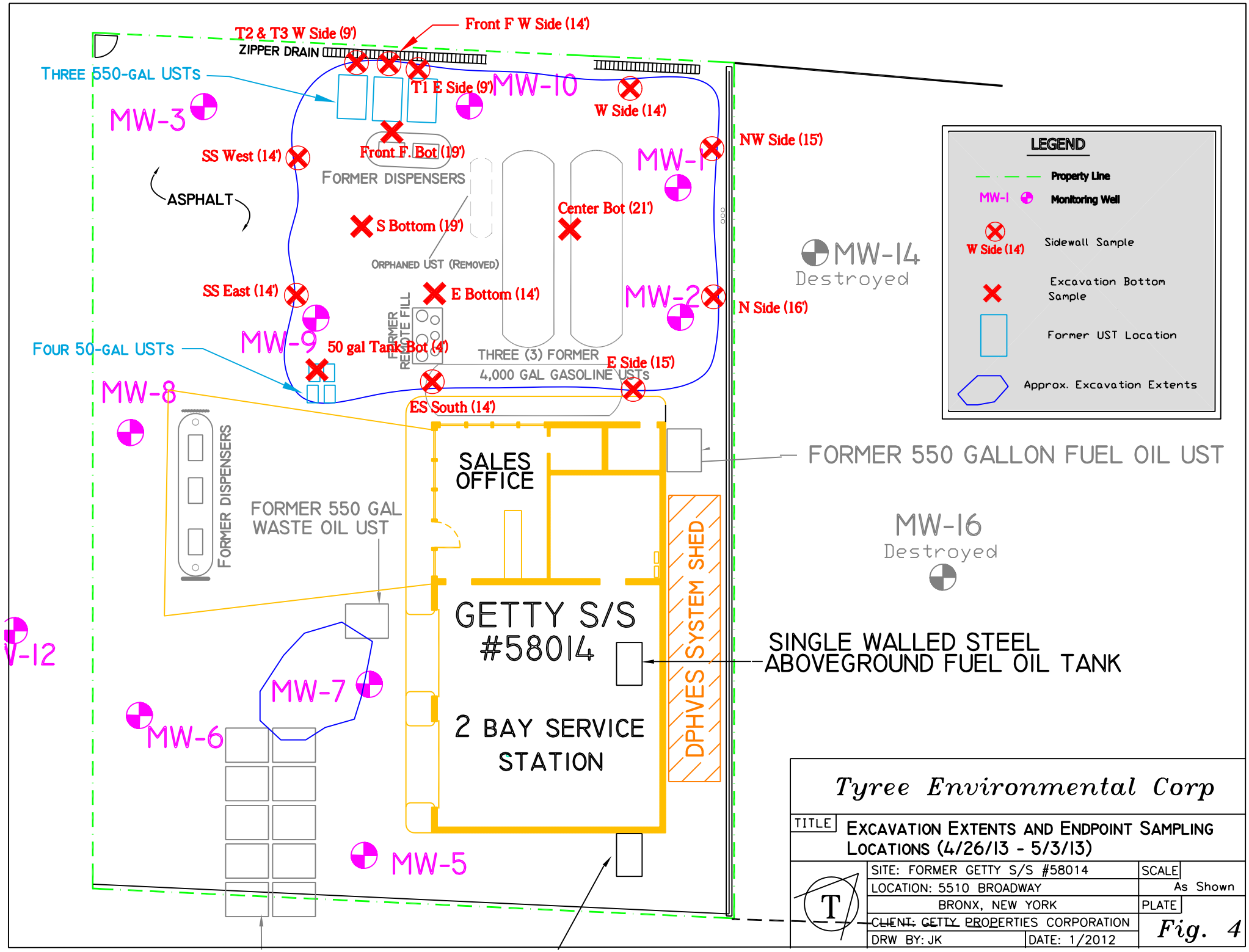
SITE: FORMER GETTY S/S #58014
LOCATION: 5510 BROADWAY
BRONX, NEW YORK
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: JK
DATE: 1/2012

SCALE: As Shown

PLATE: *Fig. 1*

Figure #2 – USGS Topographic Map
Former Getty #58014
5510 Broadway, Bronx, NY


BROADWAY
ELEVATED SUBWAY LINE
WEST 230th ST.
STORM DRAIN
ZIPPER DRAIN
MW-13
MW-10
MW-3
ASPHALT
FORMER DISPENSERS
MW-1
MW-2
MW-9
MW-8
THREE (3) FORMER 4,000 GAL GASOLINE USTs
MW-14
Destroyed
MW-15
Destroyed
VACANT LOT
FORMER 550 GALLON FUEL OIL UST
SALES OFFICE
FORMER 550 GAL WASTE OIL UST
FORMER DISPENSERS
MW-16
Destroyed
GETTY S/S #58014
2 BAY SERVICE STATION
SYSTEM SHED
DPHVES
SINGLE WALLED STEEL ABOVEGROUND FUEL OIL TANK
MW-12
MW-7
MW-6
STOCKPILE AREA
MW-5
MW-11
DOUBLE WALLED STEEL ABOVEGROUND WASTE OIL TANK
TEN (10) HISTORIC 550 GALLON MOTOR FUEL TANKS
LEGEND
Property Line
MW-1 Monitoring Well
Area #1 - Excavate from grade to 15'
Area #2 - Excavate to approx. 5'
Area #3 - Excavate to 10-15'; overburden likely clean
W
S
N
E
GRAPHIC SCALE
-20
0
10
20
(IN FEET)
1 INCH = 20 FEET
Tyree Environmental Corp
TITLE
REMEDIAL ACTION PLAN (RAP) - PROPOSED EXCAVATION AREAS
SITE: FORMER GETTY S/S #58014
LOCATION: 5510 BROADWAY
BRONX, NEW YORK
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: JK
DATE: 1/2012
SCALE
As Shown
PLATE
Fig. 3


T2 & T3 W Side (9')
Front F W Side (14')
ZIPPER DRAIN
THREE 550-GAL USTS
T1 E Side (9')
MW-10
W Side (14')
MW-3
NW Side (15')
SS West (14')
Front F. Bot (19')
MW-1
FORMER DISPENSERS
ASPHALT
Center Bot (21')
S Bottom (19')
ORPHANED UST (REMOVED)
MW-14
Destroyed
SS East (14')
E Bottom (14')
MW-2
N Side (16')
FORMER REMOTE FILL
MW-9
50 gal Tank Bot (4')
FOUR 50-GAL USTS
THREE (3) FORMER
4,000 GAL GASOLINE USTS
E Side (15')
MW-8
ES South (14')
LEGEND
Property Line
MW-1 Monitoring Well
W Side (14') Sidewall Sample
Excavation Bottom Sample
Former UST Location
Approx. Excavation Extents
SALES OFFICE
FORMER 550 GALLON FUEL OIL UST
FORMER DISPENSERS
FORMER 550 GAL WASTE OIL UST
MW-16
Destroyed
GETTY S/S #58014
DPHVES SYSTEM SHED
SINGLE WALLED STEEL ABOVEGROUND FUEL OIL TANK
MW-12
MW-7
MW-6
2 BAY SERVICE STATION
MW-5
Tyree Environmental Corp
TITLE
EXCAVATION EXTENTS AND ENDPOINT SAMPLING LOCATIONS (4/26/13 - 5/3/13)
SITE: FORMER GETTY S/S #58014
LOCATION: 5510 BROADWAY
BRONX, NEW YORK
CLIENT: GETTY PROPERTIES CORPORATION
DRW BY: JK
DATE: 1/2012
SCALE
As Shown
PLATE
Fig. 4

TABLES

TABLE #1 SUMMARY OF PID FIELD SCREENING READINGS		
EXCAVATION		
Sample ID# & Description	**Depth Below Grade (ft)**	**PID Reading (ppm)**
N Side – Northern excav. wall, east side	16	524
NW Side – Northern excav. wall, west side	15	1,278
W Side – Western excav. wall, north side	14	294
E Side – Eastern excav. wall, north side	13	958
Center Bot –northern excavation bottom	21	6.6
E Bottom – Eastern/southern excavation bottom	14	326
S Bottom – Southern excavation bottom	19	1,036
Front F W Side – Western excavation wall, near former 550-gallon USTs	14	25.6
Front F Bottom – Excavation Bottom, near former 550-gallon USTs	19	1,155
T1 E Side – Western excavation wall, near former 550-gallon USTs (mislabeled)	9	Not recorded
T2 & T3 W Side – Western excavation wall, near former 550-gallon USTs	9	38
50 gal Tank Bot – Bottom sample beneath former 50-gallon USTs	4	6.2
ES South – Eastern excav. wall, south side	14	34.9
SS West – Southern excav. wall, west side	14	26.4
SS East – Southern excav. wall, east side	14	34.2

TABLE #2
SUMMARY OF SOIL ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS via EPA METHOD 8260 STARS

Compound+	N Side (16')	E Side (13')	NW Side (15')	W Side (14')	Center Bot (21')	50 gal Tank Bot (4')	T1 E Side (9')	Front F Bot W (19')	Unrestricted SCO*	Restricted SCO**
Benzene	**193**	**3,290**	36.2	ND (31)	ND (34)	ND (35)	53.1	**222**	60	44,000
n-Butylbenzene	ND (380)	12,000	5,410	ND (310)	ND (340)	ND (350)	ND (330)	1,990	12,000	500,000
sec-Butylbenzene	ND (380)	3,410	2,920	ND (310)	ND (340)	ND (350)	ND (330)	ND (320)	11,000	500,000
Ethylbenzene	ND (380)	ND (690)	ND (310)	ND (310)	ND (340)	ND (350)	ND (330)	ND (320)	1,000	390,000
Isopropylbenzene	762	**25,200**	ND (120)	ND (120)	ND (140)	ND (140)	136	261	2,300	NL
p-Isopropyltoluene	ND (380)	4,920	2,820	ND (310)	ND (340)	ND (350)	ND (330)	ND (320)	10,000	NL
MTBE	ND (380)	**1,200**	ND (310)	ND (310)	ND (340)	ND (350)	ND (330)	ND (320)	930	500,000
Naphthalene	ND (150)	ND (280)	ND (120)	ND (120)	ND (140)	ND (140)	ND (130)	ND (130)	12,000	500,000
n-Propylbenzene	2,760	**32,500**	3,470	317	ND (340)	ND (350)	ND (330)	927	3,900	500,000
tert-Butylbenzene	ND (380)	**18,200**	**11,500**	ND (310)	ND (340)	ND (350)	ND (330)	440	5,900	500,000
Toluene	ND (380)	ND (690)	ND (310)	ND (310)	ND (340)	ND (350)	ND (330)	ND (320)	700	500,000
1,2,4-Trimethylbenzene	2,430	**8,950**	ND (310)	ND (310)	ND (340)	ND (350)	ND (330)	**4,050**	3,600	190,000
1,3,5-Trimethylbenzene	395	6,230	ND (310)	ND (310)	ND (340)	ND (350)	ND (330)	5,960	8,400	190,000
Xylenes (Total)	**1,130**	**6,300**	ND (120)	ND (120)	ND (140)	ND (140)	**436**	**2,480**	260	500,000
Compound+	**T2 & T3 W Side (9')**	**Front F W Side (14')**	**E. Bottom (14')**	**ES South (14')**	**S Bottom (19')**	**SS East (14')**	**SS West (14')**		**Unrestricted SCO***	**Restricted SCO****
Benzene	**175**	ND (36)	**5,270**	ND (0.16)	**26,800**	ND (0.16)	ND (0.15)		60	44,000
n-Butylbenzene	ND (370)	ND (360)	5,170	ND (0.15)	**49,000**	ND (0.15)	2.7 J		12,000	500,000
sec-Butylbenzene	ND (370)	ND (360)	2,050	ND (0.15)	**26,000**	ND (0.15)	1.3 J		11,000	500,000
Ethylbenzene	ND (370)	ND (360)	ND (27)	ND (0.38)	ND (220)	ND (0.38)	ND (0.37)		1,000	390,000
Isopropylbenzene	377	ND (140)	**39,600**	ND (0.34)	**285,000**	1.4	10.2		2,300	NL
p-Isopropyltoluene	ND (370)	ND (360)	4,520	ND (0.097)	**56,600**	0.35 J	2.1 J		10,000	NL
MTBE	ND (370)	ND (360)	**1,660**	ND (0.14)	**15,500**	ND (0.14)	0.88 J		930	500,000
Naphthalene	ND (150)	ND (140)	379	ND (0.31)	ND (170)	ND (0.31)	ND (0.30)		12,000	500,000
n-Propylbenzene	ND (370)	ND (360)	**12,900**	ND (0.16)	**114,000**	2.2 J	9.7		3,900	500,000
tert-Butylbenzene	ND (370)	ND (360)	**16,800**	ND (0.16)	**163,000**	0.64 J	7.9		5,900	500,000
Toluene	ND (370)	ND (360)	**60,600**	ND (0.14)	**8,390**	ND (0.14)	2.8		700	500,000
1,2,4-Trimethylbenzene	ND (370)	ND (360)	**111,000**	ND (0.27)	**615,000**	4.6 J	63.1		3,600	190,000
1,3,5-Trimethylbenzene	ND (370)	ND (360)	**37,600**	ND (0.21)	**248,000**	9.5	21.5		8,400	190,000
Xylenes (Total)	**518**	ND (140)	**203,000**	ND (0.18)	**562,000**	6.4	75.1		260	500,000

+ - Concentration reported in parts per billion (ppb). Bold indicates exceeds Unrestricted SCO. Red indicates exceeds Restricted SCO.
ND – Compound detected below the Method Detection Limit, which is reported in parenthesis
* - Unrestricted Use Soil Cleanup Objectives (SCO), as listed in 6 NYCRR Part 375-6: Remedial Program Soil Cleanup Objectives.
** - Restricted Use Soil Cleanup Objectives (SCO), as listed in 6 NYCRR Part 375-6: Remedial Program Soil Cleanup Objectives (Protection of Public Health, Commercial Properties)
NL = No cleanup objective listed.
J = Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

TABLE #3
SUMMARY OF SOIL ANALYTICAL RESULTS
SEMI-VOLATILE ORGANIC COMPOUNDS via EPA METHOD 8270 STARS

Compound+	N Side (16')	E Side (13')	NW Side (15')	W Side (14')	Center Bot (21')	50 gal Tank Bot (4')	T1 E Side (9')	Front F Bot W (19')	Unrestricted SCO*	Restricted SCO**
Acenaphthene	ND (120)	ND (590)	209	ND (110)	ND (120)	ND (120)	ND (110)	ND (580)	98,000	500,000
Anthracene	ND (120)	ND (590)	119	ND (110)	ND (120)	ND (120)	ND (110)	ND (580)	100,000	500,000
Benzo(a)anthracene	ND (120)	730	151	444	ND (120)	ND (120)	ND (110)	ND (580)	1,000	5,600
Benzo(a)pyrene	ND (120)	ND (590)	126	454	ND (120)	ND (120)	ND (110)	ND (580)	1,000	1,000
Benzo(b)fluoranthene	ND (120)	ND (590)	165	482	ND (120)	ND (120)	ND (110)	ND (580)	1,000	5,600
Benzo(g,h,i)perylene	ND (120)	ND (590)	ND (110)	320	ND (120)	ND (120)	ND (110)	ND (580)	100,000	500,000
Benzo(k)fluoranthene	ND (120)	ND (590)	ND (110)	183	ND (120)	ND (120)	ND (110)	ND (580)	800	56,000
Chrysene	ND (120)	891	178	538	ND (120)	ND (120)	ND (110)	ND (580)	1,000	56,000
Dibenzo(a,h)anthracene	ND (120)	ND (590)	ND (110)	ND (110)	ND (120)	ND (120)	ND (110)	ND (580)	330	560
Fluoranthene	161	1,340	350	378	ND (120)	ND (120)	ND (110)	ND (580)	100,000	500,000
Fluorene	ND (120)	929	257	ND (110)	ND (120)	ND (120)	ND (110)	ND (580)	30,000	500,000
Indeno(1,2,3-cd)pyrene	ND (120)	ND (590)	ND (110)	251	ND (120)	ND (120)	ND (110)	ND (580)	500	5,600
Naphthalene	2,540	5,980	548	176	ND (120)	203	ND (110)	3290	12,000	500,000
Phenanthrene	270	1,860	520	ND (110)	ND (120)	ND (120)	ND (110)	ND (580)	100,000	500,000
Pyrene	141	1,460	282	845	ND (120)	ND (120)	112	ND (580)	100,000	500,000

+ - Concentration reported in parts per billion (ppb). Bold indicates exceeds Unrestricted SCO. Red indicates exceeds Restricted SCO.
<MDL – Compound detected below the Method Detection Limit
* - Cleanup objectives listed in 6 NYCRR Part 375-6: Remedial Program Soil Cleanup Objectives.
** - Restricted Use Soil Cleanup Objectives (SCO), as listed in 6 NYCRR Part 375-6: Remedial Program Soil Cleanup Objectives (Protection of Public Health, Commercial Properties)
J = Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
E = The concentration of the analyte exceeded the calibration range of the instrument.

TABLE #3 (CONTINUED) SUMMARY OF SOIL ANALYTICAL RESULTS SEMI-VOLATILE ORGANIC COMPOUNDS via EPA METHOD 8270 STARS									
Compound+	**T2 & T3 W Side (9')**	**Front F W Side (14')**	**E. Bottom (14')**	**ES South (14')**	**S Bottom (19')**	**SS East (14')**	**SS West (14')**	**Unrestricted SCO***	**Restricted SCO****
Acenaphthene	ND (120)	ND (120)	ND (11)	ND (10)	137	ND (9.9)	ND (10)	98,000	500,000
Anthracene	ND (120)	ND (120)	ND (14)	17.1 J	100	ND (12)	ND (12)	100,000	500,000
Benzo(a)anthracene	ND (120)	ND (120)	19.8 J	28.4 J	42.4	20.2 J	93.3	1,000	5,600
Benzo(a)pyrene	ND (120)	ND (120)	20.0 J	64.1	33.4 J	45.6	ND (11)	1,000	1,000
Benzo(b)fluoranthene	160	ND (120)	25.6 J	75.4	39.5	55.4	ND (12)	1,000	5,600
Benzo(g,h,i)perylene	262	ND (120)	17.0 J	113	20.2 J	29.7 J	ND (13)	100,000	500,000
Benzo(k)fluoranthene	202	ND (120)	ND (13)	23.4 J	ND (14)	22.4 J	ND (13)	800	56,000
Chrysene	ND (120)	ND (120)	20.4 J	24.5 J	42.2	24.1 J	108	1,000	56,000
Dibenzo(a,h)anthracene	ND (120)	ND (120)	ND (13)	26.2 J	ND (12)	ND (12)	ND (12)	330	560
Fluoranthene	140	ND (120)	38.1 J	19.0 J	148	16.3 J	31.5 J	100,000	500,000
Fluorene	ND (120)	ND (120)	ND (13)	ND (11)	213	ND (11)	ND (12)	30,000	500,000
Indeno(1,2,3-cd)pyrene	203	ND (120)	ND (14)	113	18.8 J	34.8	ND (12)	500	5,600
Naphthalene	426	ND (120)	1,070	118	7,210	20.4 J	39.8	12,000	500,000
Phenanthrene	ND (120)	ND (120)	32.4 J	19.8 J	398	ND (16)	41.3	100,000	500,000
Pyrene	139	ND (120)	47.6	40	115	20.5 J	167	100,000	500,000

+ - Concentration reported in parts per billion (ppb). Bold indicates exceeds Unrestricted SCO. Red indicates exceeds Restricted SCO.
<MDL – Compound detected below the Method Detection Limit
* - Cleanup objectives listed in 6 NYCRR Part 375-6: Remedial Program Soil Cleanup Objectives.
** - Restricted Use Soil Cleanup Objectives (SCO), as listed in 6 NYCRR Part 375-6: Remedial Program Soil Cleanup Objectives (Protection of Public Health, Commercial Properties)
J = Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
E = The concentration of the analyte exceeded the calibration range of the instrument.

APPENDIX A – PHOTOGRAPHIC DOCUMENTATION

CAT
2013/04/26

FLAT FIX
CAUTION
2013/04/26

OIL CHANGE
2013/04/26

FLAT FIX
BTC
CAT
2013/04/30

FLAT FIN
2013/04/30

CAT
2013/04/30

2013/04/30

CAT
2013/05/01

2013/05/01

2013/05/01

2013/05/01

2013/05/01

CAT
2013/05/01

CAT
2013/05/01

CAT
2013/05/01

2013/05/01

CAT
2013/05/01

2013/05/01

2013/05/02

2013/05/02

2013/05/02

325B
2013/05/02

APPENDIX J

Spill Closure Documentation:

J-1. 9311138 Spill Closure Record
J-2. 0412485 Spill Closure Record
J-3. 0504958 Spill Closure Record
J-4. 0511235 Spill Closure Record
J-5. 0513135 Spill Closure Record
J-6. 0514126 Spill Closure Record
J-7. 0514593 Spill Closure Record
J-8. 0601477 Spill Closure Record
J-9. 06098675 Spill Closure Record
J-10. 0610468 Spill Closure Record
J-11. 0709082 Spill Closure Record
J-12. 0711410 Spill Closure Record
J-13. 0807271 Spill Closure Record
J-14. 0904799 Spill Closure Record
J-15. 9311342 Spill Closure Record

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Appendix J-1

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 9311138

Spill Date/Time

Spill Date: 12/14/1993 **Spill Time:** 03:30:00 PM
Call Received Date: 12/14/1993 **Call Received Time:** 04:07:00 PM

Location

Spill Name: GETTY S/S #58014 - GETTY PROPERTIES
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Tank Test Failure
Source: Gasoline Station or other PBS Facility
Waterbody:
PBS #: 2-153532

Record Close

Date Spill Closed: 12/02/2013

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0412485

Spill Date/Time

Spill Date: 02/24/2005 **Spill Time:** 01:00:00 PM
Call Received Date: 02/24/2005 **Call Received Time:** 01:11:00 PM

Location

Spill Name: GETYY # 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Human Error
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 10/18/2005

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0504958

Spill Date/Time

Spill Date: 07/25/2005 **Spill Time:** 11:01:00 AM
Call Received Date: 07/25/2005 **Call Received Time:** 11:01:00 AM

Location

Spill Name: GETTY # 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
antifreeze	UNKNOWN	Soil

Cause: Housekeeping
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 07/25/2005

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0511235

Spill Date/Time

Spill Date: 12/27/2005 **Spill Time:** 12:00:00 PM
Call Received Date: 12/27/2005 **Call Received Time:** 01:48:00 PM

Location

Spill Name: GETTY#58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
diesel	UNKNOWN	Soil

Cause: Housekeeping
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 12/29/2005

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0513135

Spill Date/Time

Spill Date: 02/14/2006 **Spill Time:** 02:45:00 PM
Call Received Date: 02/14/2006 **Call Received Time:** 04:18:00 PM

Location

Spill Name: GETTY# 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Equipment Failure
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 05/18/2007

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0514126

Spill Date/Time

Spill Date: 03/09/2006 **Spill Time:** 03:30:00 PM
Call Received Date: 03/09/2006 **Call Received Time:** 05:18:00 PM

Location

Spill Name: GETTY # 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
diesel	UNKNOWN	Soil

Cause: Equipment Failure
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 12/11/2006

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0514593

Spill Date/Time

Spill Date: 03/21/2006 **Spill Time:** 02:00:00 PM
Call Received Date: 03/21/2006 **Call Received Time:** 02:21:00 PM

Location

Spill Name: GETTY # 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
antifreeze	UNKNOWN	Soil
gasoline	UNKNOWN	Soil

Cause: Housekeeping
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 10/24/2006

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0601477

Spill Date/Time

Spill Date: 05/09/2006 **Spill Time:** 04:00:00 PM
Call Received Date: 05/09/2006 **Call Received Time:** 05:05:00 PM

Location

Spill Name: GETTY # 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
waste oil/used oil	UNKNOWN	Soil

Cause: Housekeeping
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 10/24/2006

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0609867

Spill Date/Time

Spill Date: 11/29/2006 **Spill Time:** 04:00:00 PM
Call Received Date: 11/29/2006 **Call Received Time:** 04:08:00 PM

Location

Spill Name: GETTY# 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
waste oil/used oil	5 Gal.	Soil

Cause: Housekeeping
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 11/30/2006

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0610468

Spill Date/Time

Spill Date: 12/14/2006 **Spill Time:** 03:15:00 PM
Call Received Date: 12/14/2006 **Call Received Time:** 05:01:00 PM

Location

Spill Name: GETTY #58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Human Error
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 12/15/2006

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0709082

Spill Date/Time

Spill Date: 11/20/2007 **Spill Time:** 02:32:00 PM
Call Received Date: 11/20/2007 **Call Received Time:** 02:32:00 PM

Location

Spill Name: GETTY#58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	1 Gal.	Soil

Cause: Human Error
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 01/25/2008

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0711410

Spill Date/Time

Spill Date: 01/30/2008 **Spill Time:** 08:00:00 AM
Call Received Date: 01/30/2008 **Call Received Time:** 08:08:00 AM

Location

Spill Name: GETTY#58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Housekeeping
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 01/30/2008

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0807271

Spill Date/Time

Spill Date: 09/29/2008 **Spill Time:** 11:29:00 AM
Call Received Date: 09/29/2008 **Call Received Time:** 11:29:00 AM

Location

Spill Name: GETTY GAS #58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
diesel	1 Gal.	Soil

Cause: Equipment Failure
Source: Gasoline Station or other PBS Facility
Waterbody:

Record Close

Date Spill Closed: 02/11/2009

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 0904799

Spill Date/Time

Spill Date: 07/24/2009 **Spill Time:** 02:00:00 PM
Call Received Date: 07/24/2009 **Call Received Time:** 02:00:00 PM

Location

Spill Name: GETTY # 58014
Address: 5510 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Other
Source: Gasoline Station or other PBS Facility
Waterbody:
PBS #: 2-153532

Record Close

Date Spill Closed: 11/19/2013
"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.

Return To Results

Refine This Search

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 9311342

Spill Date/Time

Spill Date: 12/20/1993 **Spill Time:** 04:00:00 PM
Call Received Date: 12/20/1993 **Call Received Time:** 04:27:00 PM

Location

Spill Name: 5530 BROADWAY
Address: 5530 BROADWAY
City: BRONX **County:** Bronx

Spill Description

Material Spilled	Amount Spilled	Resource Affected
gasoline	UNKNOWN	Soil

Cause: Unknown
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 09/22/2003

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

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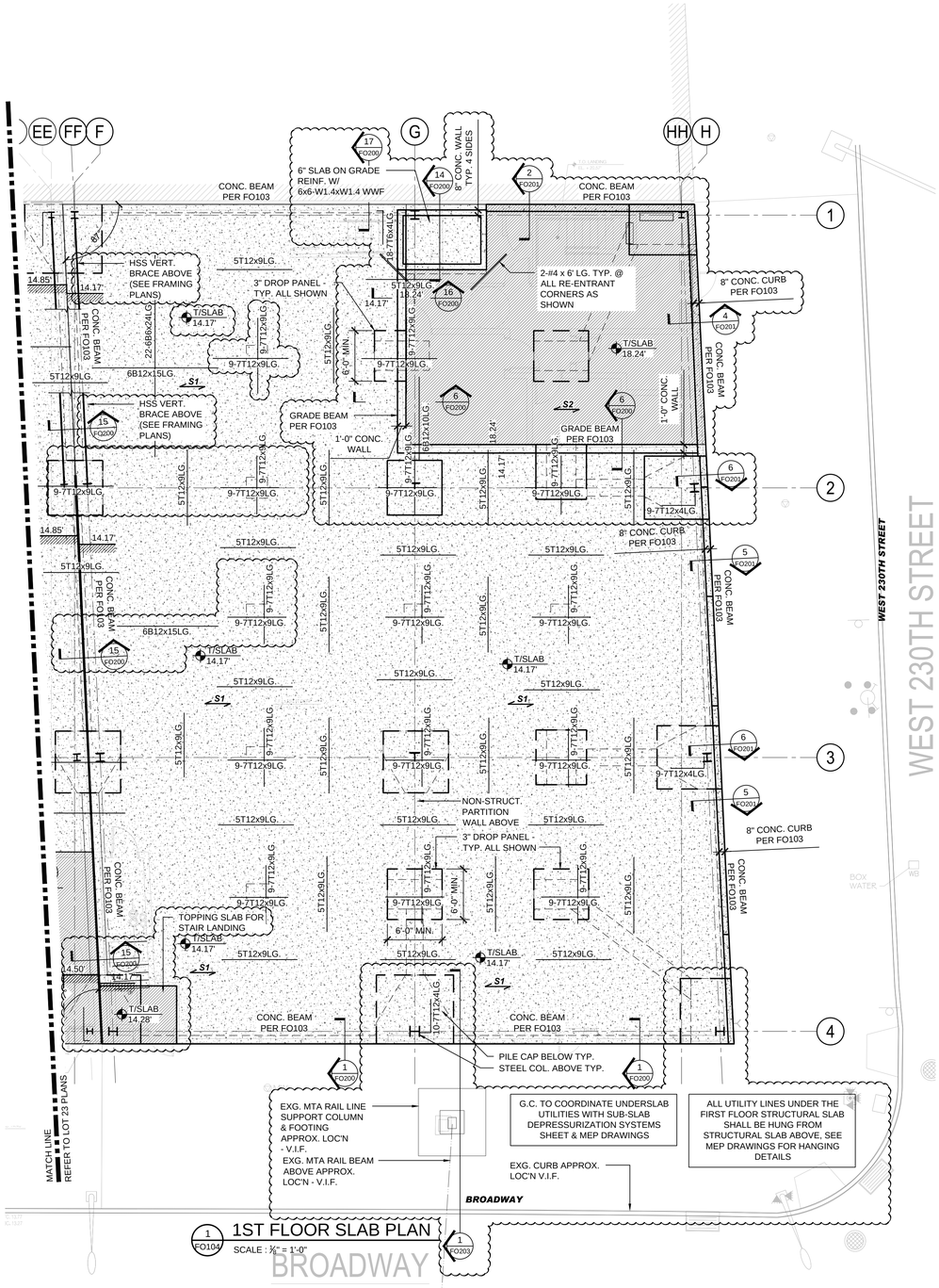
Return To Results

Refine This Search

APPENDIX K

Composite Cover System As-Builts

1. FO104.01 – Lot 21 - 5510
2. FO104.01 – Lot 21 – 5510
3. FO200.00 – Lot 21 and 23 – Details



1ST FLOOR PLAN NOTES

1. **S1** - INDICATES 9" TWO-WAY FLAT SLAB. #5 @ 12" oc BTM. EA. WAY REINF. UNLESS NOTED OTHERWISE ON PLAN.
2. **S2** - INDICATES 9" TWO-WAY FLAT SLAB REINF. W/ #5 @ 12" oc TOP & BTM. EA. WAY
3. REINF. TO BE #5 @ 12" oc EA. WAY BTM. (FOR S1) UNLESS SHOWN ON PLAN AS: (TOTAL REINF.)-(BAR NO.)(TOP OR BTM.)(SPACING)x(LENGTH)LG. SEE BELOW FOR EXAMPLES
   - 3.1. 15-5T12x15LG - #5 x 15' LONG REINF. @ 12" oc TOP, 15 TOTAL (#5 @ 12" oc BTM. STILL REQ'D)
   - 3.2. 15-5B12x15LG - #5 x 15' LONG REINF. @ 12" oc BTM., 15 TOTAL
4. X.XX' / X.XX' - INDICATES CHANGE IN SLAB ELEVATION.
5. X.XX' - INDICATES TOP OF SLAB ELEVATION.
6. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
7. COORDINATE ALL WALL PENETRATIONS, UNDERSLAB UTILITIES AND MECHANICAL CHASES WITH APPLICABLE TRADES.
8. VAPOR BARRIER TO BE INSTALLED PER ARCHITECTURAL DRAWINGS
9. P1 - INDICATES 24"x24" CONC. PIER REINF. W/ 8-#8 VERT. & #4 TIES @ 12" oc. CONT. VERT. REINF. INTO SLAB & PILE CAP

SBLM

Owner
Equity One
410 Park Ave #1220
New York, NY 10022
Telephone: 212 796 1760
Fax

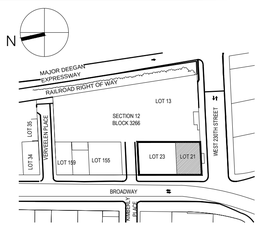
Architect
SBLM Architects
545 West 45th Street, 4th Floor
New York, NY 10036
TeL: 212 995 5600
Fax 212 675 4228
www.sblm.com

Structural Engineering
e2 Engineers
239 Rear Bank Street
New London, CT 06320
Tel: 860 437 3259
Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues

	02/12/2014	ISSUED FOR FILING
	03/26/2014	ISSUED FOR BID
	04/09/2014	RESPONSE TO DOB/DOE COMMENTS
	07/09/2014	RESPONSE TO DOB COMMENTS
	07/18/2014	REVISED BID SET
3	10/17/2014	ADDENDUM #3
	11/10/2014	ISSUED FOR PAA



Project Title
BROADWAY OUTPARCELS
LOT 21 AND 23
5510-5520 BROADWAY
BRONX, NY 10463

Drawing
1ST FLOOR SLAB PLAN

Job Number **13166**

Seal & Signature

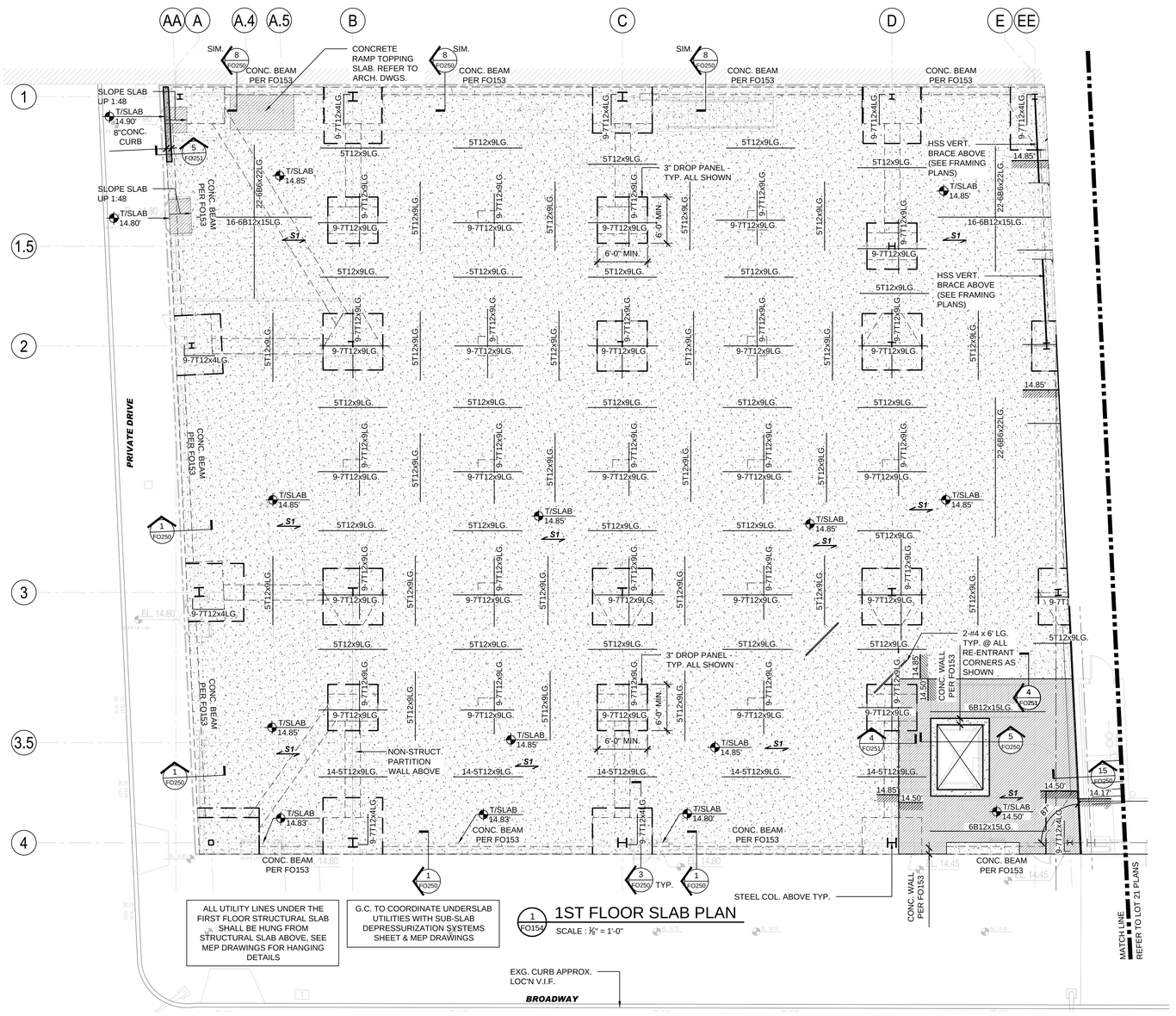
Drawn:	GKS
Checked:	CHV
Scale:	AS NOTED
Drawing Date:	02/12/14

Drawing No.
FO104.01

FOR NYC-DOB USE

Sheet *Of*

Filename: O:\E2Jobs\2013_JOBS\13166 - Equity One Broadway\Structural\13166 - Equity One Broadway - E2 Struct - Foundation - Issued for PAA.dwg Plotted by: Geoff Sandberg Plot Time: 11/6/2014 11:24 AM



ALL UTILITY LINES UNDER THE FIRST FLOOR STRUCTURAL SLAB SHALL BE HUNG FROM STRUCTURAL SLAB ABOVE. SEE MEP DRAWINGS FOR HANGING DETAILS

G.C. TO COORDINATE UNDERSLAB UTILITIES WITH SUB-SLAB DEPRESSURIZATION SYSTEMS SHEET & MEP DRAWINGS

1 FO154 1ST FLOOR SLAB PLAN

SCALE : ⅛" = 1'-0"

1ST FLOOR PLAN NOTES

1. **S1** - INDICATES 9" TWO-WAY FLAT SLAB. #5 @ 12" oc BTM. EA. WAY REINF. UNLESS NOTED OTHERWISE ON PLAN.
2. REINF. TO BE #5 @ 12" oc EA. WAY BTM. (FOR S1) UNLESS SHOWN ON PLAN AS: (TOTAL REINF.)-(BAR NO.)(TOP OR BTM.)(SPACING)x(LENGTH)LG. SEE BELOW FOR EXAMPLES
   - 2.1. 15-5T12x15LG - #5 x 15' LONG REINF. @ 12" oc TOP, 15 TOTAL (#5 @ 12" oc BTM. STILL REQ'D)
   - 2.2. 15-5B12x15LG - #5 x 15' LONG REINF. @ 12" oc BTM., 15 TOTAL
3. X.XX' / X.XX' - INDICATES CHANGE IN SLAB ELEVATION.
4. X.XX' - INDICATES TOP OF SLAB ELEVATION.
5. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
6. COORDINATE ALL WALL PENETRATIONS, UNDERSLAB UTILITIES AND MECHANICAL CHASES WITH APPLICABLE TRADES.
7. VAPOR BARRIER TO BE INSTALLED PER ARCHITECTURAL DRAWINGS

SBLM

Owner
Equity One
410 Park Ave #1220
New York, NY 10022
Telephone: 212 796 1760
Fax

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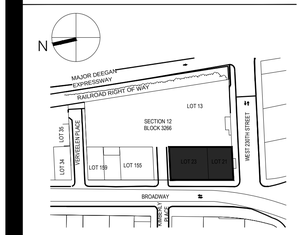
SBLM Architects
545 West 45th Street, 4th Floor
New York, NY 10036
TeL: 212 995 5600
Fax 212 675 4228
www.sblm.com

Structural Engineering
e2 Engineers
239 Rear Bank Street
New London, CT 06320
Tel: 860 437 3259
Fax: 860 437 3194

Mechanical, Electrical, Plumbing
DNV Associates
153 West 27th Street #1105
New York, NY 10018
Tel: 212 233 2434
Fax: 212 233 0717

Revisions/Issues

	02/12/2014	ISSUED FOR FILING
	03/26/2014	ISSUED FOR BID
	04/09/2014	RESPONSE TO DOB/DOE COMMENTS
	07/09/2014	RESPONSE TO DOB COMMENTS
	07/18/2014	REVISED BID SET
3	10/17/2014	ADDENDUM #3
	11/10/2014	ISSUED FOR PAA



Project Title
BROADWAY OUTPARCELS
LOT 21 AND 23
5510-5520 BROADWAY
BRONX, NY 10463

Drawing
1ST FLOOR SLAB PLAN

Job Number **13166**

Seal & Signature

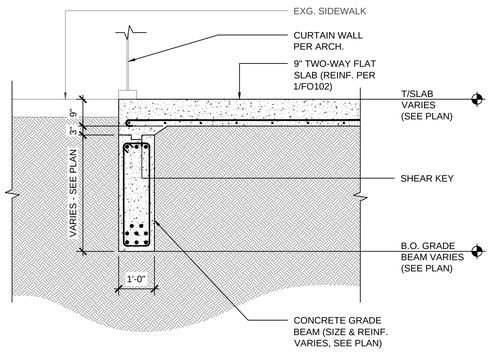
Drawn:	GKS
Checked:	CHV
Scale:	AS NOTED
Drawing Date:	02/12/14

Drawing No.
FO154.00

FOR NYC-DOB USE

Sheet Of

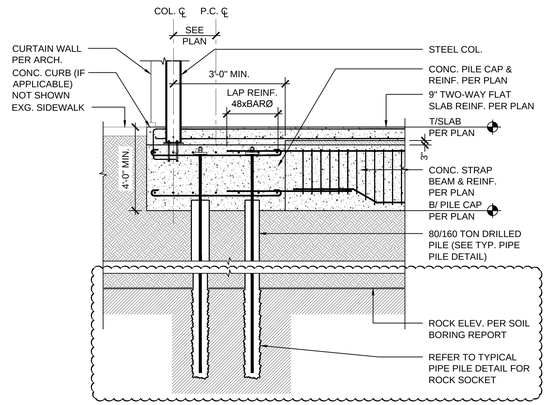
Filename: O:\E2Admin\2013_JOBS\13166 - Equity One Broadway\Structural\13166 - Equity One Broadway - E2 Struct - Foundation - Issued for PAA.dwg Plotted by: Geoff Sandberg Plot Time: 11/6/2014 11:37 AM



1 FO200 SECTION
SCALE : ½" = 1'-0"

NOT USED

2 FO200 SECTION
SCALE : ½" = 1'-0"



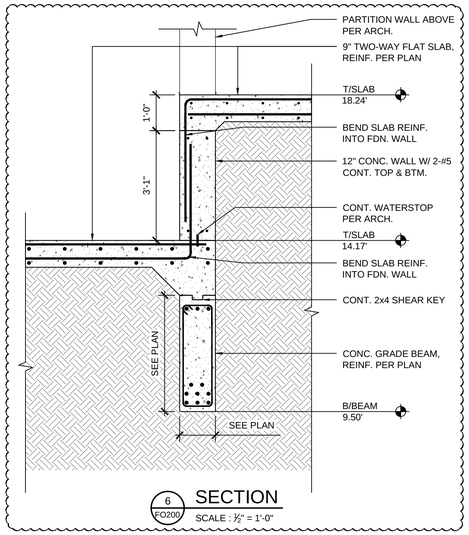
3 FO200 SECTION
SCALE : ¼" = 1'-0"

NOT USED

4 FO200 SECTION
SCALE : ¼" = 1'-0"

NOT USED

5 FO200 SECTION
SCALE : ½" = 1'-0"



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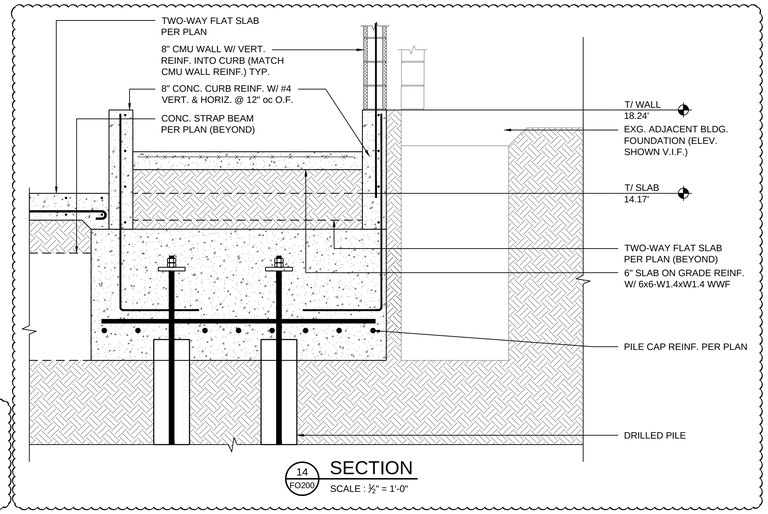

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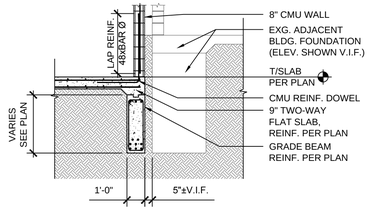


8 FO200 SECTION
SCALE : ¼" = 1'-0"

NOT USED

7 FO200 SECTION
SCALE : ½" = 1'-0"

NOT USED

9 FO200 SECTION
SCALE : ¼" = 1'-0"

NOT USED

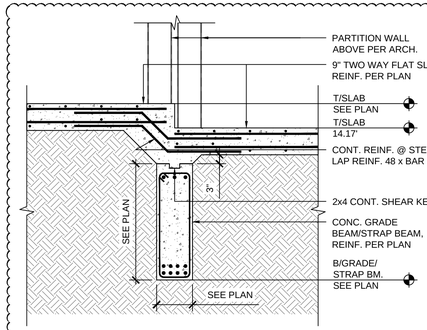
10 FO200 SECTION
SCALE : ½" = 1'-0"

NOT USED

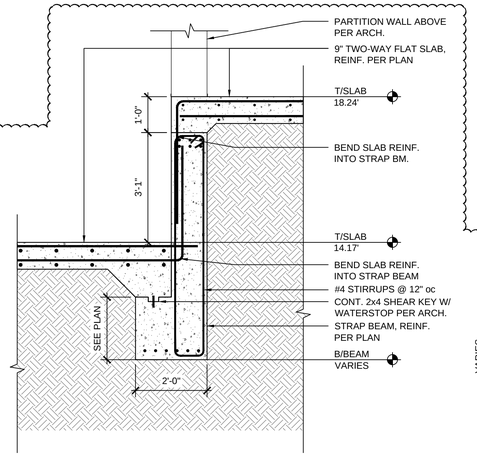
11 FO200 SECTION
SCALE : ½" = 1'-0"

NOT USED

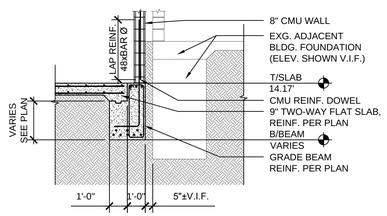
12 FO200 SECTION
SCALE : ½" = 1'-0"



15 FO200 SECTION
SCALE : ½" = 1'-0"



16 FO200 SECTION
SCALE : ½" = 1'-0"



17 FO200 SECTION
SCALE : ¼" = 1'-0"

SBLM

Owner
Equity One
410 Park Ave #1220
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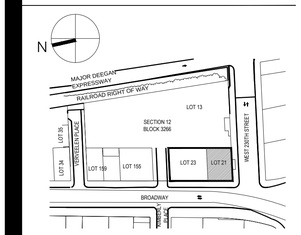


Project Title
BROADWAY OUTPARCELS
LOT 21 AND 23
5510-5520 BROADWAY
BRONX, NY 10463

Drawing
FOUNDATION DETAILS

Job Number **13166**

Seal & Signature

Drawn:	**GKS**
Checked:	**CHV**
Scale:	**AS NOTED**
Drawing Date:	**02/12/14**

Drawing No.
FO200.01

FOR NYC-DOB USE

Sheet *Of*

Filename: O:\E2\Jobs\2013_JOBS\13166 - Equity One Broadway\Structural\13166 - Equity One Broadway - E2 Struct - Foundation - Issued for PAA.dwg Plotted by: Geoff Sandberg Plot Time: 11/6/2014 11:24 AM

APPENDIX L

Engineering Control Specifications

L1: Vapor Barrier Specifications

L2: Active SSDS Blower Specifications

Stego® Wrap 20-Mil Vapor Barrier

STEGO INDUSTRIES, LLC

Vapor Retarders
07 26 00, 03 30 00

1. Product Name

Stego Wrap 20-Mil Vapor Barrier

2. Manufacturer

Stego Industries, LLC
216 Avenida Fabricante, Suite 101
San Clemente, CA 92672
Sales, Technical Assistance
Ph: (877) 464-7834
Fx: (949) 257-4113
www.stegoindustries.com

3. Product Description

USES: Stego Wrap 20-Mil Vapor Barrier is used as a below-slab vapor barrier, and as a protection course for below grade waterproofing applications.
COMPOSITION: Stego Wrap 20-Mil Vapor Barrier is a multi-layer plastic extrusion manufactured with only the highest grade of prime, virgin, polyolefin resins.
ENVIRONMENTAL FACTORS:
Stego Wrap 20-Mil Vapor Barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

5. Installation

UNDER SLAB: Unroll Stego Wrap 20-Mil Vapor Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of six inches and tape using Stego Tape or Crete Claw® Tape. All penetrations must be sealed using a combination of Stego Wrap and Stego accessories.

For additional information, please refer to Stego's complete installation instructions.

6. Availability & Cost

Stego Wrap 20-Mil Vapor Barrier is available nationally via building supply distributors. For current cost information, contact your local Stego Wrap dis-tributor or Stego Industries' sales department.

7. Warranty

Stego Industries, LLC believes to the best of its knowledge, that specifications and recommendations herein are accurate and reliable. However, since site conditions are not within its control, Stego Industries does not guarantee results from the use of the information provided and disclaims all liability from any loss or damage. No warranty, express or implied, is given as to the merchantability, fitness for a particular purpose, or otherwise with respect to the products referred to.

8. Maintenance

None required.

9. Technical Services

Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website.

4. Technical Data

TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 20-MIL VAPOR BARRIER

PROPERTY	TEST	RESULTS
Under Slab Vapor Retarders	ASTM E 1745 Class A, B & C – Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs	Exceeds Class A, B & C
Water Vapor Permeance	ASTM F 1249 – Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor	0.0071 perms
Puncture Resistance	ASTM D 1709 – Test Methods for Impact Resistance of Plastic Film by Free-Falling Dart Method	3500+ grams*
Tensile Strength	ASTM D 882 – Test Method for Tensile Properties of Thin Plastic Sheeting	97.7 lbf/in.
Permeance After Conditioning (ASTM E 1745 Sections 7.1.2 - 7.1.5)	ASTM E 154 Section 8, F 1249 – Permeance after wetting, drying, and soaking ASTM E 154 Section 11, F 1249 – Permeance after heat conditioning ASTM E 154 Section 12, F 1249 – Permeance after low temperature conditioning ASTM E 154 Section 13, F 1249 – Permeance after soil organism exposure	0.0088 perms 0.0081 perms 0.0084 perms 0.0077 perms
Thickness	ACI 302.1R-04 – Minimum Thickness (10 mils)	20 mils
Roll Dimensions		14 ft. wide x 105 ft. long or 1,470 ft^2
Roll Weight		140 lbs.

Note: perm unit = grains/(ft^2 *hr* in.Hg)

* The material maxed out the testing equipment and did not fail at 3746 grams.

Stego, the stegosaurus logo, Crete Claw, and StegoTack are all deemed to be protectable trademarks of Stego Industries, LLC.

Gasho
SINCE 1982
The Leader in Blower & Vacuum Solutions

Submittal Documentation

For:
ROUX ASSOCIATES
209 Shafter Street
Islandia, NY 11749

Purchase Order # 24265

Equipment Description: AMETEK Model # EN505AX72ML on Skid w/Accessories & Manual Motor Starter

JG15F-2998

Supplier:
Gasho, Inc.
460 West Gay Street
West Chester, PA 19380

June 23, 2015

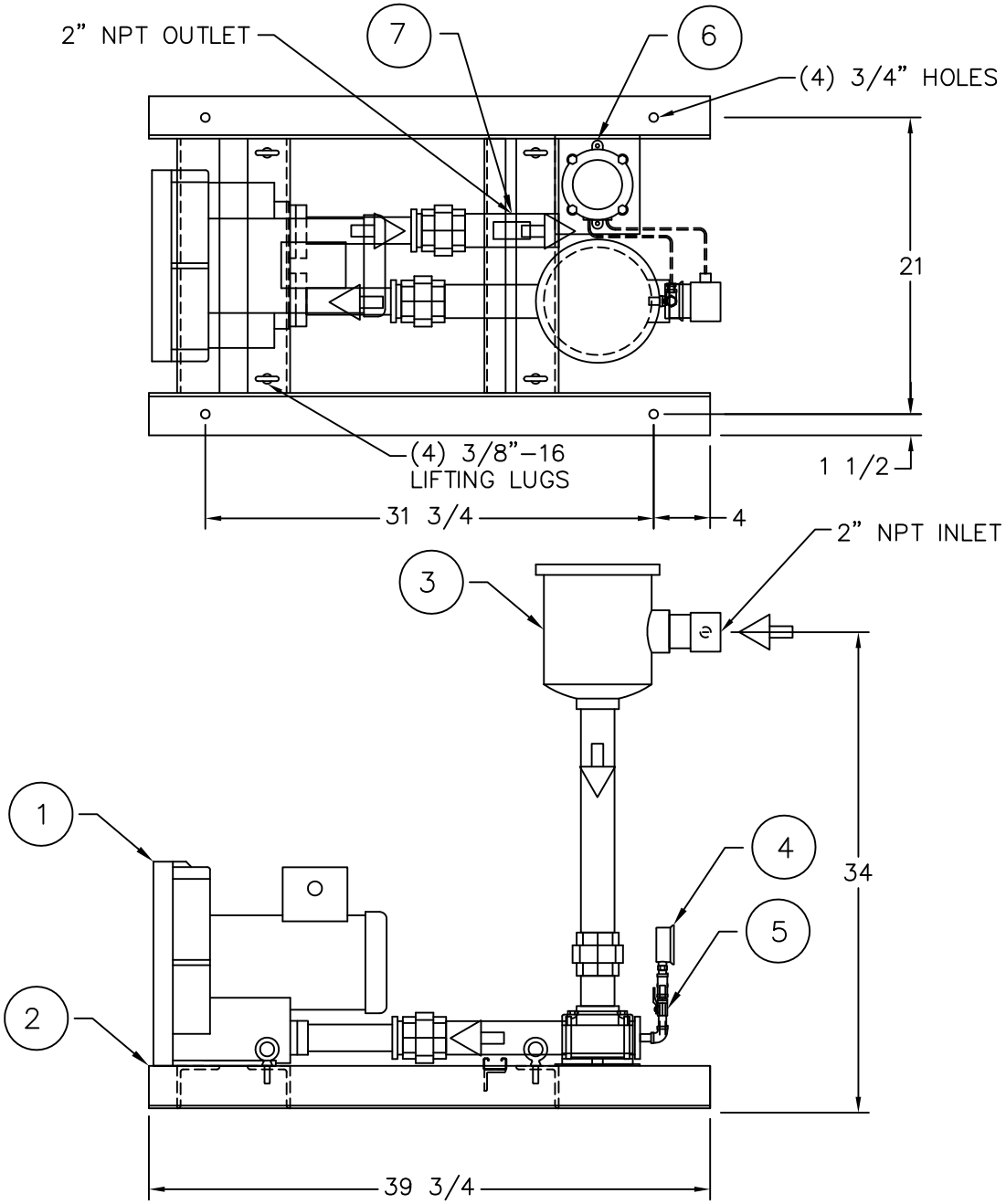
Gasho, Inc.

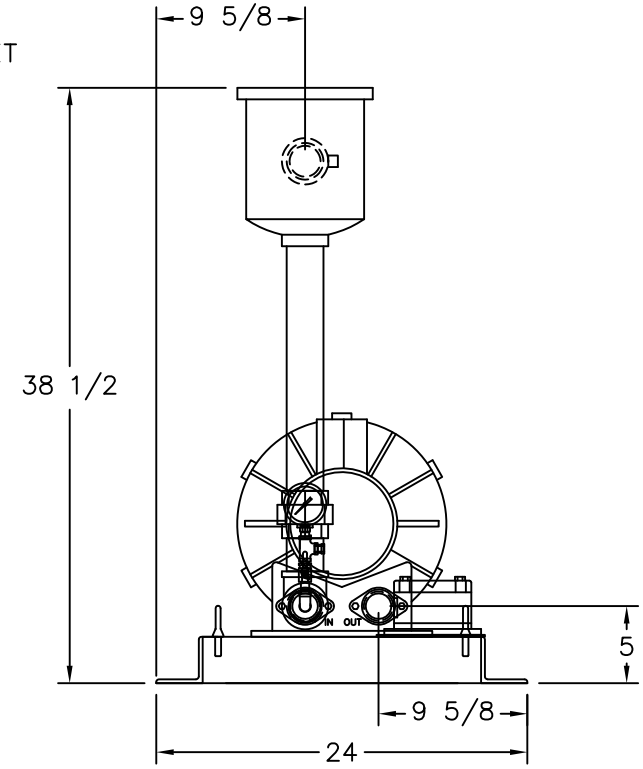
Blower Package

JG15-2998

Description	Date	Revision

Item	Qty.	Supplier	Description	Part Number	Supplier Part Number	Weight
1	1	Ametek Rotron	Regenerative Blower, 2 HP, 3 Ph.	BLW-EN505AX72ML	038178	84
2	1	Gasho	Base Weldment	1100-C-9506	-	75
3	1	Solberg	Inline Filter, Solberg, 2" Inlet/2" Discharge, Polyester Element	FILS1-2.0/2.0-F-0000	CSL-851-200HC	15
4	1	Gasho	2.5" LIQUID FILLED VACUUM GAUGE 0-30 IN HG	GV-2.5-1-030HG-0000	201L-254A	1
5	1	SMC Specialties	1/4" BRASS ISOLATION VALVE, ONE-WAY, FEMALE NPT INLET X MALE NPT OUTLET, BUNA SEALS	VIS-0.25-FM-B-0000	025-4F4M-BT	1
6	1	Dwyer	Differential Pressure Switch		1950-5-2F	3.25
7	1	AID	Motor Starter w/ Under Voltage Coil		Q012513-SG-1	1
					Total Weight	180.25





REV.	DATE	DESCRIPTION		
			DRAWN BY: DJC	DATE 6-22-15
			APPROVED BY:	DATE
			DIMENSIONS IN INCHES	
			SCALE	
			TOLERANCE	ANGULAR TOLERANCE
			MATERIAL	WEIGHT 186
			SHEET 1 OF 1	

J.E.GASHO & Assoc., Inc.
460 W. GAY ST.
WEST CHESTER, PENNSYLVANIA 19380

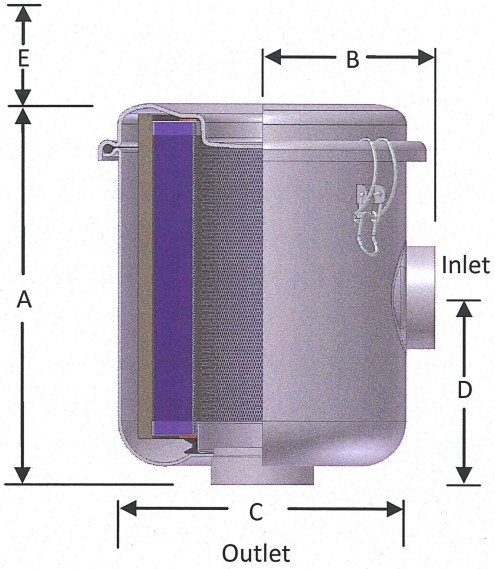
SVE BLOWER PACKAGE
EN505AX72ML

JG15-F-2998

2998.dwg 06/23/15

"L" Style Vacuum Filters
CSL Series 3/8" - 3" FPT

SOLBERG®



Features

- Seamless drawn housings
- Brazed fittings for high vacuum duty
- Stainless steel torsion clips for durability
- Positive engagement O-ring seal system
- Rugged all steel construction with baked enamel finish

Benefits

- Large dirt holding capacity and easy field cleaning, especially when mounted horizontally or inverted
- Designed to handle high vacuum applications
- Low pressure design

Technical Specifications

- Vacuum Rating: Gas tight o-ring seal
- Temp (continuous): min -15°F (-26°C) max 220°F (104°C)
- Filter change out differential: 15-20" H_2O over initial Δ P
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron

Options

- Vacuum gauge
- Dome hood for high holding capacity
- Material/Finishes: stainless steel, epoxy coating
- Support brackets
- Alternative top-to-canister fastening system for low pressure or pulsating systems

FPT Outlet Connections

FPT Inlet/ Outlet	Assembly SCFM Rating	Assembly Part Number		Dimensions - inches				Suggested Service HT.	Approx. Wt. lbs	Replacement Element Part No.		Element SCFM Rating
		Polyester	Paper	A	B	C	D	E		Polyester	Paper	
3/8"	18	CSL-825-039HC	CSL-824-039HC	3 5/8	2 1/4	3 3/4	1 7/8	3	0.88	825	824	25
1/2"	18	CSL-825-050HC	CSL-824-050HC	3 5/8	2 1/4	3 3/4	1 7/8	3	0.88	825	824	25
1/2"	20	CSL-843-050HC	CSL-842-050HC	4 3/8	3	5 7/8	2 1/2	3	3	843	842	55
3/4"	24	CSL-825-075HC	CSL-824-075HC	3 3/4	2 1/4	3 3/4	1 7/8	3	0.88	825	824	25
3/4"	25	CSL-843-075HC	CSL-842-075HC	4 3/8	3	5 7/8	2 1/2	3	3	843	842	55
1"	35	CSL-843-100HC	CSL-842-100HC	4 3/8	3 1/4	5 7/8	2 5/8	3	3	843	842	55
1"	40	CSL-849-100HC	CSL-848-100HC	6 3/4	4 1/8	7 1/3	4 1/2	5	5	849	848	115
1 1/4"	55	CSL-843-125HC	CSL-842-125HC	4 3/8	3 1/4	5 7/8	2 5/8	3	3	843	842	55
1 1/4"	60	CSL-849-125HC	CSL-848-125HC	6 3/4	4 1/8	7 5/16	4 1/2	5	5	849	848	115
1 1/2"	80	CSL-849-150HC	CSL-848-150HC	6 3/4	4 1/8	7 5/16	4 1/2	5	5	849	848	115
2"	175	CSL-851-200HC	CSL-850-200HC	10 1/4	4 9/16	8 3/4	5	9	15	851	850	290
2 1/2"	210	CSL-851-250HC	CSL-850-250HC	10 1/2	5 1/8	8 3/4	5 1/2	9	15	851	850	290
3"	300	CSL-239-300HC	CSL-238-300HC	15 3/4	8 7/8	13 1/4	8 3/4	11	33	239	238	570

See Vacuum Filter Technical Data section for sizing guidelines.

Dimension tolerance ± 1/4"

Note: Model offerings and design parameters may change without notice. See www.solbergmfg.com for most current offering.

www.solbergmfg.com • sales@solbergmfg.com • Sales: 630.773.1363 • Fax: 630.773.0727

201L LIQUID FILLED

Our '200' series gauge line is a high quality line of liquid filled gauges. The glycerine filling helps dampen the effects of pulsation and vibration, while also perpetually lubricating the movement (and keeping contaminates such as dirt away from all moving parts) which will extend the life of the gauge.

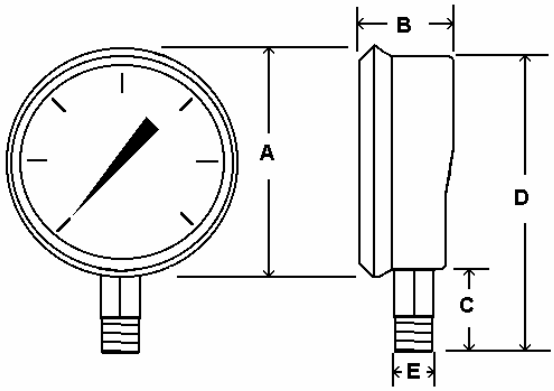
This gauge has been specifically designed with original equipment manufacturers in mind and are typically used on hydraulic & pneumatic systems as well as any commercial or industrial application not corrosive to brass and bronze wetted parts where glycerine filling is suitable for use.

SPECIFICATIONS:

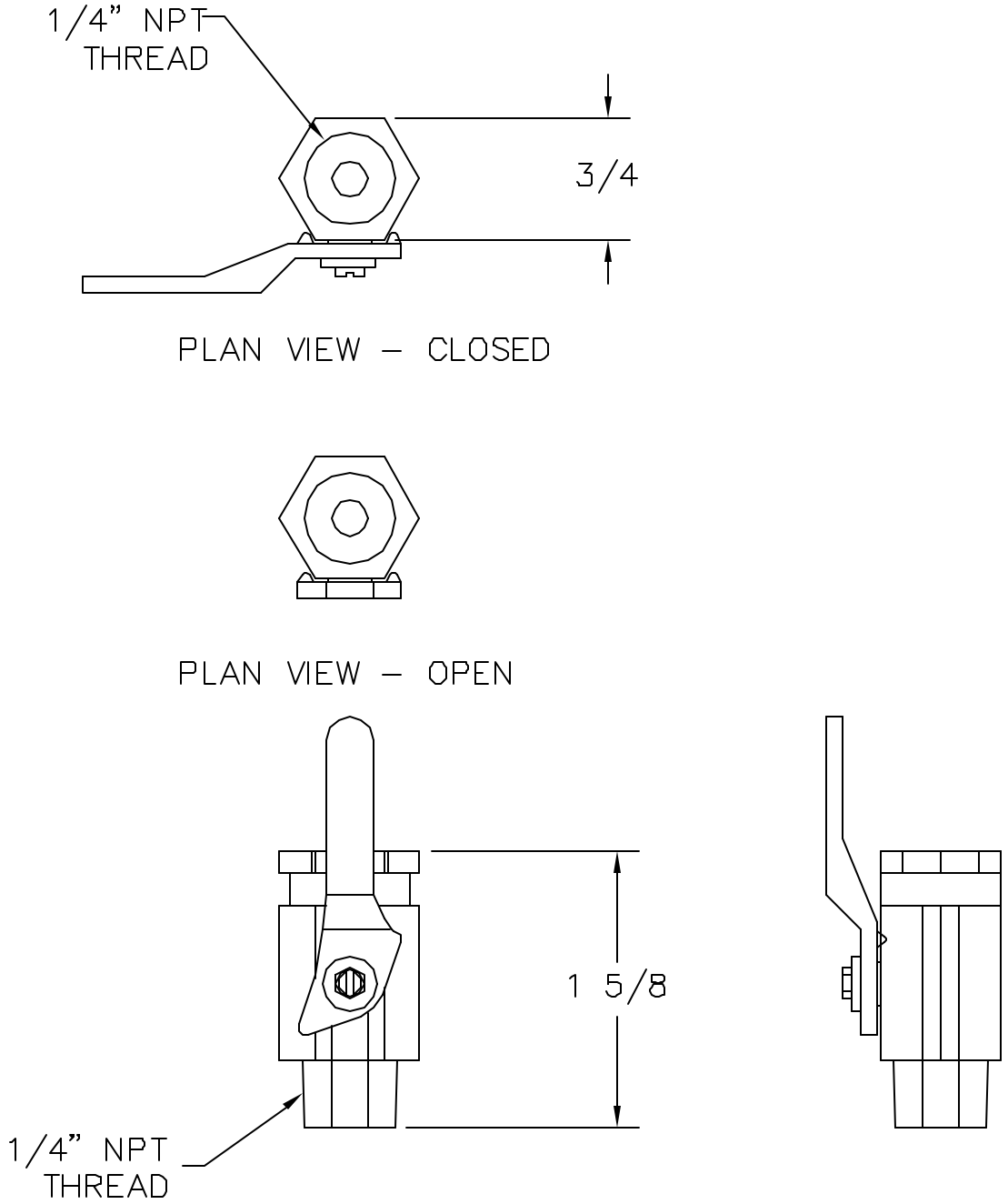
- **Available Dial Sizes:** 1 ½", 2", 2 ½", 4", 6"
- **Available Connection Sizes:**
  1/8"MNPT on 1 ½" and 2"
  1/4"MNPT on 2", 2 ½" and 4"
  1/2"MNPT on 4" and 6"
- **Stainless Steel Case And Bezel**
- **Brass Internals & Connection**
- **Phosphour Bronze Bourdon Tube**
- **Liquid Filled (Dry Available)**
- **Accuracy :** 1 ½" or 2"Dial Size = 3-2-3 %
  2 ½"Dial Size = 1.5 %
  4" or 6"Dial Size = 1 %
- **Dual Scale: PSI & Bar (x100=kPa)**
  Single Scale available from stock
- **Ambient temperature:** FILLED: 30'F to 160'F
  DRY: -30'F to 180'F

RANGE	CODE	Major In	Minor In
30/0"VAC	A	5	0.5
30/0/15	CB	5	0.5
30/0/30	CC	10	1
30/0/60	CD	10	1
30/0/100	CE	20	2
30/0/150	CF	20	2
30/0/300	CH	50	10
0/15	B	2	0.2
0/30	C	5	0.5
0/60	D	10	1
0/100	E	20	2
0/160	F	20	2
0/200	G	40	4
0/300	H	50	5
0/400	I	50	5
0/500	J	100	10
0/600	K	100	10
0/800	L	100	10
0/1000	M	200	20
0/1500	N	200	20
0/2000	O	400	50
0/3000	P	500	50
0/4000	Q	500	50
0/5000	R	1000	100
0/6000	S	2000	200
0/10,000	U	2000	200
0/15,000	V	2000	200

Some ranges not available in all dial sizes, please call with your particular application



		A	B	C	D	E
1 ½" Dial	In	1.88	1.06	.89	2.77	1/8" NPT
	MM	48	27	23	58	
2" Dial	In	2.24	1.27	.71	2.80	1/8" or ¼" NPT
	MM	57	32	23	71	
2 ½" Dial	In	2.80	1.28	1.07	3.55	1/4" NPT
	MM	71	33	27	90	
4" Dial	In	4.32	1.63	1.25	5.57	1/4" or ½" NPT
	MM	110	42	32	141	
6" Dial	In	6.54	1.70	1.68	8.22	1/4" or ½" NPT
	MM	166	43	43	210	



			DRAWN BY: M. WITTE	DATE 8–17–00	J. E. GASHO & Assoc., Inc. 460 W. GAY ST. WEST CHESTER, PENNSYLVANIA 19380
			APPROVED BY:	DATE	
			DIMENSIONS IN INCHES		GAUGE ISOLATION VALVE SMC VA BRS 025–4F4M–BT
			SCALE		
			TOLERANCE	ANGULAR TOLERANCE	
			MATERIAL	WEIGHT	
REV.	DATE	DESCRIPTION	SHEET 1 OF 1		—

Maximum Operating Pressure - 500 psi
Maximum Operating Temperature - 180 Degrees F
Ball Through Hole Diameter - .218

025 SERIES BALL VALVE

025 One-Way Ball Valve Design Considerations

The 025 Series One-Way Ball Valve compact design promotes multiple configurations to fit the exact end use application. The 025 Ball Valve Series is rated to 500 psi and will support flow and pressure only in the flow direction. The 025 Series has a one-piece body construction, stamped with directional flow arrows, to cover 1/4" NPT end configuration applications. The Zinc Die Cast Lever Handle is standard. Handles can be ordered Reversed - to lie over the outlet when the valve is in the open position. UL configurations are available and rated to 250 psi. UR configurations are available and rated to 500 psi.

Example:	Inlet End	Outlet End	Seal	Handle	Plating
	1/4 FNPT	1/4 MNPT	Buna-N	Steel	ENP

SMC Part Number: 025-4F4M-B,SH,ENP

The handle will lie over the Inlet port when the valve is in the open position. SMC Part Numbers are a description of the valve as read left to right, Inlet to Outlet.
Example: 025-4F4M-B,SH,ENP = 1/4 FNPT Inlet x 1/4 MNPT Outlet

025 Series Options

Material Options Brass Body, Nickel Plated Brass Ball, Teflon® Seats, Stainless Handle Screw

Seal Options Buna-N, Ethylene Propylene, Fluoroelastomer (Viton®), Neoprene

Body Options

- 1/4 Female x 1/4 Female NPT
- 1/4 Female x 1/4 Male NPT
- 1/4 Female x 1/8 Female NPT
- 1/4 Female x 1/8 Male NPT
- 1/4 Female x 1/4 Hose Barb
- 1/4 Female x 11/16-16 Male
- 1/4 Female x 7/16-24 Female
- 1/4 Female x 1/4 Female Flare
- 1/4 Female x 3/8 Compression

Handle Options Zinc Die Cast Lever (Standard), Zinc Die Cast Lever with Red Vinyl Sleeve, Steel Lever, Steel Lever, Round Handle, Steel Lever, Steel Lever with Red Vinyl Sleeve, Round Zinc Die Cast Handle, Black Nylon T-Handle, Blue Nylon Knob, .312 x 1" Stem, Screw Slot Headed Ball

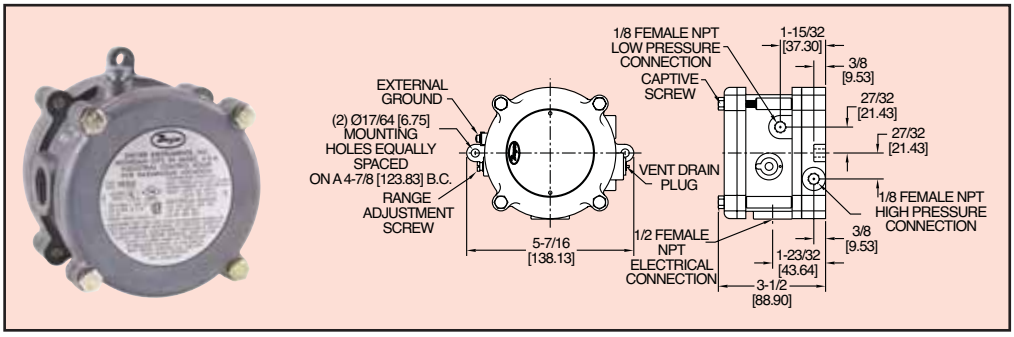
Plating Options Electroless Nickel, Black Zinc

SMC will quote alternate materials or customize our standard products when quantities ensure competitive pricing.
Contact Customer Service at (651) 653-0599, FAX - (651) 653-0989, E-Mail - info@specialtymfg.com

Series 1950

Explosion-proof Differential Pressure Switches

Compact, Low Cost, Explosion-proof and Weatherproof



Model 1950 Explosion-Proof Differential Pressure Switch combines the best features of the popular Dwyer® Series 1900 Pressure Switch with an integral explosion-proof and weatherproof housing, making it an exceptional value for either application. It is CE, UL and CSA listed, FM approved for use in Class I, Div 1, Groups C and D, Class II Groups E, F, and G and Class III hazardous atmospheres (NEMA 7 & 9), Raintight (NEMA 3). Weatherproof features include a drain plug and O-ring seal in cover. Electrical connections are easily made by removing front cover. For convenience the set point adjustment screw is located on the outside of the housing. Twelve models offer set points from .03 to 20″ w.c. (7.5 to 5 kPa) and from .5 to 50 psi (0.035 to 3.5 bar). The unit is very light and compact – about half the weight and bulk of other explosion-proof or weather-proof switches with separate enclosures.

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult factory.
Temperature Limits: -40 to 140°F (-40 to 60°C); 0 to 140°F (-17.8 to 60°C) for 1950P-8, 15, 25, and 50. -30 to 130°F (-34.4 to 54.4°C) for 1950-02.
Pressure Limits:
Continuous: 1950's - 45″ w.c. (0.11 bar); 1950P's - 35 psi (2.41 bar); 1950P-50 only - 70 psi (4.83 bar).
Surge: 1950's - 10 psi (0.69 bar), 1950P's - 50 psi (3.45 bar), 1950P-50 only - 90 psi (6.21 bar).
Enclosure Rating: IP64, NEMA 3, 7 and 9.
Switch Type: Single-pole double-throw (SPDT).
Electrical Rating: 15 A @, 125, 250, 480 VAC, 60 Hz. Resistive 1/8 HP @ 125 VAC, 1/4 HP @ 250 VAC, 60 Hz.
Electrical Connections: 3 screw type, common, normally open and normally closed.
Process Connections: 1/8″ female NPT.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Set Point Adjustment: Screw type on top of housing.
Weight: 3.25 lb (1.5 kg); 1950-02 model, 4.4 lb (2 kg).
Agency Approvals: CE, UL, CSA, FM.

SERIES 1950 SWITCHES - MODELS, OPERATING RANGES AND DEAD BANDS

Model Number	Range, Inches W.C.	Approximate Dead Band at	
		Min. Set Point	Max. Set Point
1950-02-2S	.03 to .10	.025	.05
1950-00-2F	.07 to .15	.04	.05
1950-0-2F	.15 to .50	.10	.15
1950-1-2F	.4 to 1.6	.15	.20
1950-5-2F	1.4 to 5.5	.30	.40
1950-10-2F	3 to 11	.40	.50
1950-20-2F	4 to 20	.40	.60

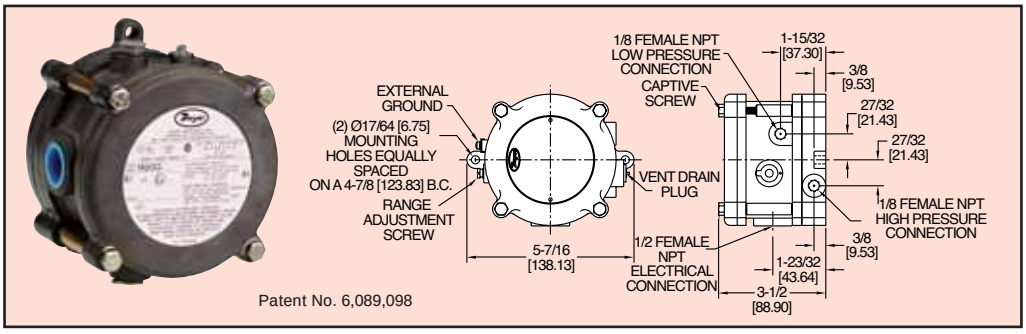
Model* Number	Range, PSID	Approximate Dead Band at	
		Min. Set Point	Max. Set Point
1950P-2-2F	0.5 to 2	.3	.3
1950P-8-2F	1.5 to 8	1.0	1.0
1950P-15-2F	3 to 15	.9	.9
1950P-25-2F	4 to 25	.7	.7
1950P-50-2F	15 to 50	1.0	1.5

CAUTION: For use only with air or compatible gases. Applications with hazardous atmospheres and a single positive pressure may require special venting.
*P=PSID range models

Series 1950G

Explosion-proof Differential Pressure Switch

Explosion-proof, Weatherproof, Compatible with Natural Gases



Patent No. 6,089,098

The Model 1950G Explosion-Proof Switch combines the best features of the popular Dwyer® Series 1950 Pressure Switch with the benefit of natural gas compatibility. Units are rain-tight for outdoor installations, and are UL listed for use in Class I, Groups A, B, C, & D; Class II, Groups E, F, & G and Class III atmospheres, Directive 94/9/EC (ATEX) Compliant for CE Ex II 2 G EExd IIB & Hydrogen T6 and CSA & FM approved for Class I, Div 1, Groups B, C, D; Class II, Div 1, Groups E, F, G and Class III atmospheres. The 1950G is very compact, about half the weight and bulk of equivalent conventional explosion-proof switches.
Easy access to the SPDT relay and power supply terminals is provided by removing the top plate of the aluminum housing. A supply voltage of 24 VDC, 120 or 240 VAC is required. A captive screw allows the cover to swing aside while remaining attached to the unit. Adjustment to the set point of the switch can be made without disassembly of the housing.

SPECIFICATIONS

Service: Air and compatible combustible gases.
Wetted Materials: Contact Factory.
Temperature Limits: 0 to 140°F (-17 to 60°C). Note: Set point drift may occur with ambient temperature changes.
Pressure Limits: 45″ w.c. (11.2 kPa) continuous; 10 psig (68.95 kPa) surge.
Enclosure Rating: IP64, NEMA 3, 7 and 9.
Switch Type: 1 Form C relay (SPDT).
Electrical Rating: 10A, 120/240 VAC, 28 VDC. Resistive 50mA, 125 VDC.
Power Requirements: 24 VDC ±10%. 120 or 240 VAC ±10% optional.
Electrical Connections: Internal terminal block.
Process Connections: 1/8″ female NPT.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Set Point Adjustment: Screw type on top of housing.
Weight: 2 lb, 15.7 oz (1.35 kg).
Agency Approvals: CE, UL, CSA, FM, ATEX.

MODELS

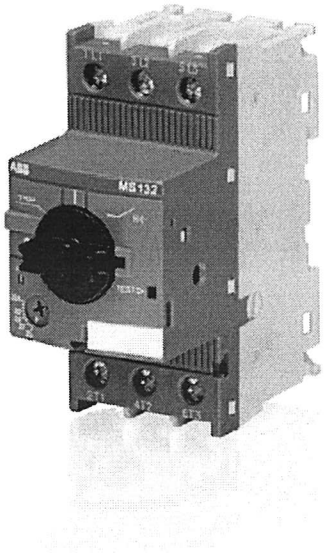
Model Number[1]	Range, Inches W.C.	Approximate Dead Band at	
		Min. Set Point	Max. Set Point
1950G-00-B-24-NA	.07 to .15	.04	.06
1950G-0-B-24-NA	.15 to .50	.06	.11
1950G-1-B-24-NA	.4 to 1.6	.11	.29
1950G-5-B-24-NA	1.4 to 5.5	.4	.9
1950G-10-B-24-NA	3 to 11	.9	1.8
1950G-20-B-24-NA	4 to 20	1.2	3.0

[1]Note: For alternate supply voltages change 24 to 120 or 240. Example: 1950G-00-B-120.
For ATEX approved models remove"-NA".

Data sheet

Manual motor starter MS132

Manual motor starters are electromechanical protection devices for the main circuit. They are used mainly to switch motors manually ON/OFF and protect them fuse less against short-circuit, overload and phase failures.
Fuse less protection with a manual motor starter saves costs, space and ensures a quick reaction under short-circuit condition, by switching off the motor within milliseconds. Fuse less starter combinations are setup together with contactors.



Description

- Overload protection – trip class 10
- Phase loss sensitivity
- Disconnect function
- Temperature compensation from -25 ... +60 °C
- Adjustable current setting for overload protection
- Suitable for three- and single-phase application
- Trip-free mechanism
- Trip indication
- Clear switch position indication ON/OFF/TRIP
- Lockable handle

Ordering details

MS132 screw terminal

Setting range [A]	Type	Trip class	Order code	Packing unit [Pcs]	Weight [g]
0.10 ... 0.16	MS132-0.16	10A	1SAM350000R1001	1	215
0.16 ... 0.25	MS132-0.25	10	1SAM350000R1002	1	215
0.25 ... 0.40	MS132-0.4	10	1SAM350000R1003	1	215
0.40 ... 0.63	MS132-0.63	10	1SAM350000R1004	1	215
0.63 ... 1.00	MS132-1.0	10	1SAM350000R1005	1	215
1.00 ... 1.60	MS132-1.6	10	1SAM350000R1006	1	265
1.60 ... 2.50	MS132-2.5	10	1SAM350000R1007	1	265
2.50 ... 4.00	MS132-4.0	10	1SAM350000R1008	1	265
4.00 ... 6.30	MS132-6.3	10	1SAM350000R1009	1	265
6.30 ... 10.00	MS132-10	10	1SAM350000R1010	1	265
8.00 ... 12.00	MS132-12	10	1SAM350000R1012	1	310
10.00 ... 16.00	MS132-16	10	1SAM350000R1011	1	310
16.00 ... 20.00	MS132-20	10	1SAM350000R1013	1	310
20.00 ... 25.00	MS132-25	10	1SAM350000R1014	1	310
25.00 ... 32.00	MS132-32	10	1SAM350000R1015	1	310

Note: MS132 with pre-assembled auxiliary contact HKF1-11, please order as follow 1SAM350005Rxxxx

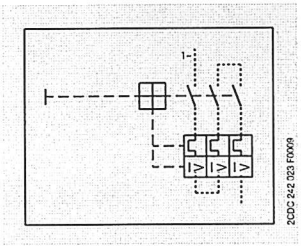
Application

The manual motor starters protect the load and the installation against short-circuit and overload. They are three pole protection devices with thermal tripping elements for overload protection and electro-magnetic tripping elements for short-circuit protection. Furthermore, they provide a disconnect function for safely isolation of the installation and the supply and can be used for the manual switching of loads.

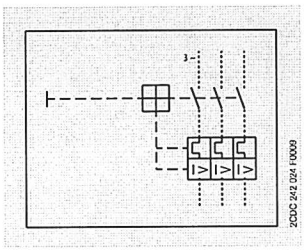
The manual motor starters have a setting scale in Amperes, which allows the direct adjusting of the device without any additional calculation. In compliance with international and national standards, the setting current is the rated current of the motor and not the tripping current (no tripping at 1.05 x I, tripping at 1.2 x I; I = setting current).

Operation mode

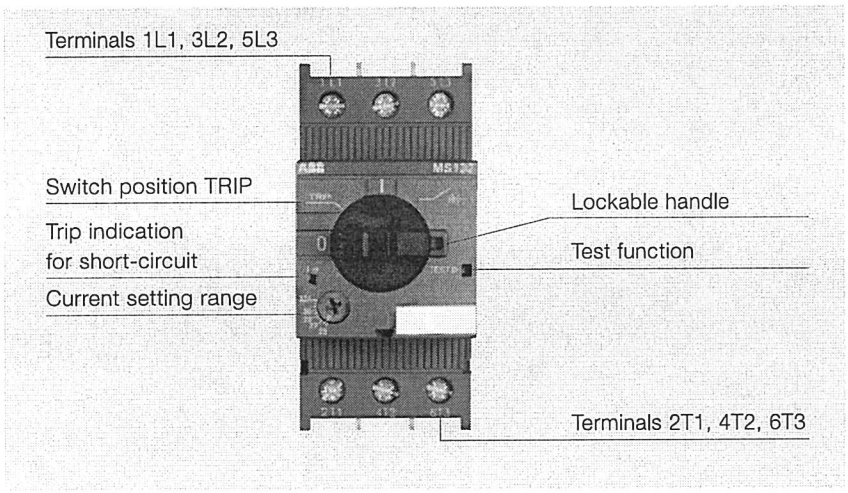
Single-phase operation



Three-phase operation



Connections

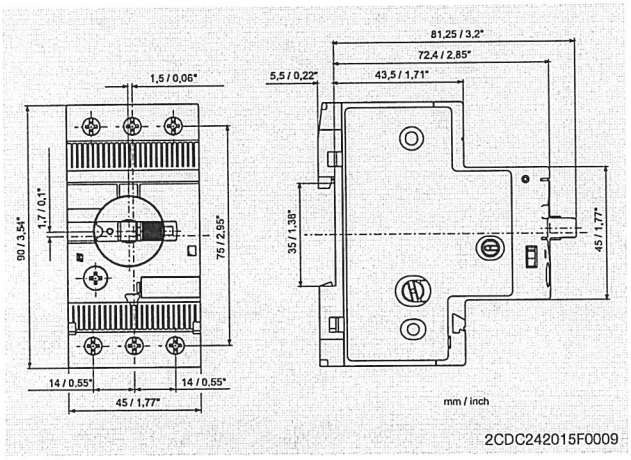


Resistance and power losses per phase

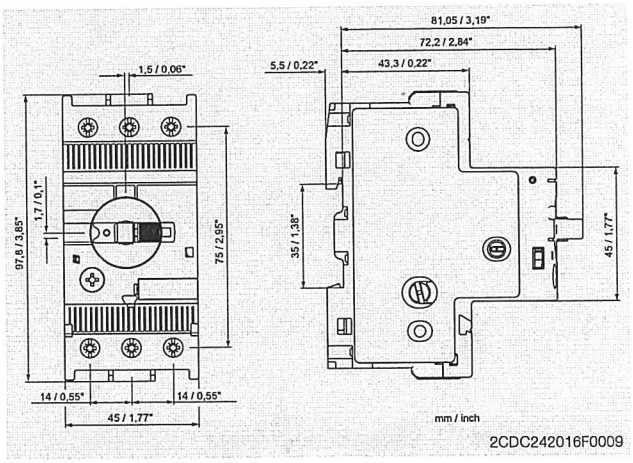
Type	Lower value setting range [A]	Upper value setting range [A]	Resistance per phase [Ω]	Power loss per Phase [W] at Lower value of setting range	Power loss per Phase [W] at Upper value of setting range
MS132-0.16	0.10	0.16	66.00	0.7	1.7
MS132-0.25	0.16	0.25	25.50	0.7	1.7
MS132-0.4	0.25	0.40	10.38	0.7	1.7
MS132-0.63	0.40	0.63	4.36	0.7	1.7
MS132-1.0	0.63	1.00	1.605	0.7	1.7
MS132-1.6	1.00	1.60	0.648	0.7	1.7
MS132-2.5	1.60	2.50	0.272	0.7	1.7
MS132-4.0	2.50	4.00	0.106	0.7	1.7
MS132-6.3	4.00	6.30	0.046	0.7	1.7
MS132-10	6.30	10.0	0.024	0.9	2.4
MS132-12	8.00	12.0	0.016	1.0	2.3
MS132-16	10.0	16.0	0.011	1.1	2.8
MS132-20	16.0	20.0	0.0057	1.5	2.3
MS132-25	20.0	25.0	0.0045	1.8	2.8
MS132-32	25.0	32.0	0.0030	1.9	3.1

Dimensions

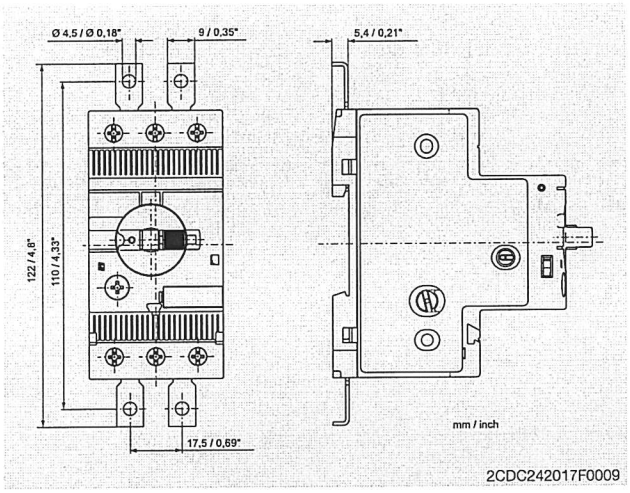
MS132 ≤ 10 A



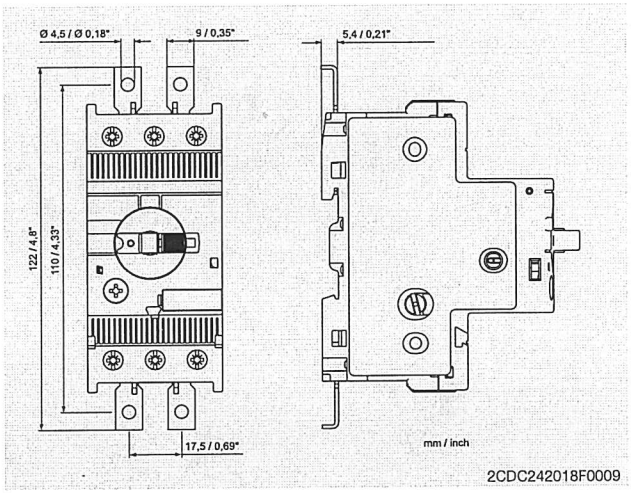
MS132 > 10 A



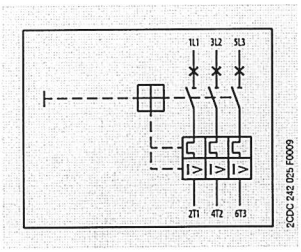
MS132 ≤ 10 A + screw fixing kit



MS132 > 10 A + screw fixing kit



Wiring diagram



Approvals

cULus UL 508

ABS

CB scheme

GL

Lloyd's Register TYPE APPROVED

GOST-F

GOST-R

Markings

CE

Data at T_A = 40 °C and at rated values, if nothing else indicated

Type		MS132
Technical data	**Terminals**	
Main circuit	**1L1-3L3-5L5** **2T1-4T2-6T3**	
Rated operational voltage U_e acc. to IEC/EN 60947-1	a.c.	690 V
	d.c.	-
Rated operational current I_e		see separate table
Rated current I_n /		see „Rated Operational Current"
Conventional free-air thermal current I_{th}		
Setting range - thermal overload protection		see ordering data
Rated instantaneous short-circuit current setting I_i		see separate table
Rated service short-circuit breaking capacity I_{cs}		see separate table
Rated ultimate short-circuit breaking capacity I_{cu}		see separate table
Trip class acc. to IEC/EN 60947-4-1		see ordering data
Rated frequency acc. to IEC/EN 60947-1		50 / 60 Hz
Number of poles		3
Resistence per phase		see separate table
Power loss per phase	lower value of setting range	see separate table
	upper value of setting range	see separate table
Isolation data		
Rated impulse withstand voltage U_{imp} acc. to IEC/EN 60947-1		6 kV
Rated insulation voltage U_i acc. to IEC/EN 60947-1		690 V
Pollution degree acc. to IEC/EN 60664		3
Electrical connection		
MS132 ≤ 10A		
Connecting capacity	solid	1/2 x 1 ... 4 mm²
	flexible with ferrule	1/2 x 0.75 ... 2.5 mm²
	flexible with ferrule isolated	1/2 x 0.75 ... 2.5 mm²
	flexible without ferrule	1/2 x 0.75 ... 2.5 mm²
Stripping length		9 mm
Tightening torque		0.8 ... 1.2 Nm
Connection screw		M3.5 (Pozidrive 2)
MS132-12, -16		
Connecting capacity	solid	1/2 x 1 ... 4 mm²
	flexible with ferrule	1/2 x 0.75 ... 2.5 mm²
	flexible with ferrule isolated	1/2 x 0.75 ... 2.5 mm²
	flexible without ferrule	1/2 x 0.75 ... 2.5 mm²
Stripping length		10 mm
Tightening torque		1.5 Nm
Connection screw		M4 (Pozidrive 2)
MS132-20, -25, -32		
Connecting capacity	solid	1/2 x 2.5 ... 6 mm²
	flexible with ferrule	1/2 x 1 ... 6 mm²
	flexible with ferrule isolated	1/2 x 1 ... 6 mm²
	flexible without ferrule	1/2 x 2.5 ... 6 mm²
Stripping length		10 mm
Tightening torque		2 Nm
Connection screw		M4 (Pozidrive 2)

Type		MS132
General Data		
Mechniacl durability		10^5
Electrical durability		5×10^4
Duty time		100%
Dimensions (W x H x D)		see dimension drawing
Weight		see ordering data
Mounting		DIN-rail (EN 60715)
Mounting positions		optional for single mounting (position 1-6)
Group Mounting		on request
Minimum distance to other units same type	horizontal	0 mm
	vertical	150 mm
Minimum distance to electrical conductive wall (earthed)	horizontal - up to 400 V	0 mm
	horizontal - up to 690 V	> 1.5 mm
	vertical	75 mm
Degree of protection acc. to IEC/EN 60947-1	enclosure / terminals	IP20
Utilization Category acc. to IEC/EN 60947-2		A
Altitude		up to 2000 m
Environmental data		
Ambient air temperature range		
Operation	open - compensated without derating	-25 °C ... +60 °C
	open	-25 °C ... +70 °C
Storage		-50 °C ... +80 °C
Temperature compensation		continuous
Vibration (sinusoidal) acc. to IEC/EN 60068-2-6 (Fc)		5 g / 3 - 150 Hz
Shock (half-sine) acc. to IEC/EN 60068-2-27 (Ea)		25 g / 11 ms
Standards / Directives		
Standard		IEC/EN 60947–2, ICE/EN 60947-4-1, IEC/EN 60947-1, UL 508; CSA 22.2 No. 14
Low Voltage Directive		2006/95/EC
EMC Directive		2004/108/EC
RoHS Directive		2002/95/EC
Electromagnetic compatibility		
		not applicable
Approvals, markings		
Approvals		see page 3
Markings		see page 3
UL/CSA		
Max. operational voltage		600 V
Manual Motor Controller ratings		see separate table
Motor ratings		
Horse power		see separate table
Full load amps (FLA)		see separate table
Locked rotor amps (LRA)		see separate table
Short-Circuit Protective devices		see separate table

Type		MS132
Technical data		
Electrical connection		
MS132 ≤ 10A		
Connecting capacity	solid	1/2 x AWG16 ... AWG12
	stranded	1/2 x AWG16 ... AWG12
	flexible without ferrule	1/2 x AWG16 ... AWG12
Stripping length		9 mm
Tightening torque		10 - 12 lb-in
Connection screw		M3.5 (Pozidrive 2)
MS132-12, -16		
Connecting capacity	solid	1/2 x AWG16 ... AWG12
	stranded	1/2 x AWG16 ... AWG12
	flexible without ferrule	1/2 x AWG16 ... AWG12
Stripping length		10 mm
Tightening torque		14 lb-in
Connection screw		M4 (Pozidrive 2 / 6.5 mm)
MS132-20, -25, -32		
Connecting capacity	stranded	1/2 x AWG12 ... AWG8
	flexible without ferrule	1/2 x AWG12 ... AWG8
Stripping length		10 mm
Tightening torque		18 lb-In
Connection screw		M4 (Pozidrive 2)

Type	Rated instantaneous short-circuit current setting I_i [A]	Rated current I_n / Conventional free-air thermal current I_{th} [A]
MS132-0.16	1.25 ... 1.87	0.16
MS132-0.25	1.95 ... 2.92	0.25
MS132-0.4	3.12 ... 4.68	0.40
MS132-0.63	4.91 ... 7.37	0.63
MS132-1.0	9.20 ... 13.8	1.00
MS132-1.6	14.7 ... 22.1	1.60
MS132-2.5	23.0 ... 34.5	2.50
MS132-4.0	40.0 ... 60.0	4.00
MS132-6.3	63.0 ... 94.5	6.30
MS132-10	120 ... 180	10.0
MS132-12	144 ... 216	12.0
MS132-16	192 ... 288	16.0
MS132-20	240 ... 360	20.0
MS132-25	300 ... 450	25.0
MS132-32	384 ... 576	32.0

Short-Circuit protection

Type	230 V AC			400 V AC			690 V AC		
	I_{cs} [kA]	I_{cu} [kA]	gG [A]	I_{cs} [kA]	I_{cu} [kA]	gG [A]	I_{cs} [kA]	I_{cu} [kA]	gG [A]
MS132-0.16	100	100	°	100	100	°	100	100	°
MS132-0.25	100	100	°	100	100	°	100	100	°
MS132-0.4	100	100	°	100	100	°	100	100	°
MS132-0.63	100	100	°	100	100	°	100	100	°
MS132-1.0	100	100	°	100	100	°	100	100	°
MS132-1.6	100	100	°	100	100	°	100	100	°
MS132-2.5	100	100	°	100	100	°	100	100	°
MS132-4.0	100	100	°	100	100	°	3	3	on request
MS132-6.3	100	100	°	100	100	°	3	3	on request
MS132-10	100	100	°	100	100	°	3	3	on request
MS132-12	100	100	°	100	100	°	3	3	on request
MS132-16	100	100	°	100	100	°	3	3	on request
MS132-20	100	100	°	100	100	°	3	3	on request
MS132-25	50	50	100	50	50	100	3	3	on request
MS132-32	25	50	125	25	50	125	3	3	on request

I_{cs} = Rated service short-circuit breaking capacity
I_{cu} = Rated ultimate short-circuit breaking capacity
o = No back-up fuse required, because short-circut proof up to 100 kA

UL / CSA ratings

Type	Motor rating, single phase					
	220 - 240 V AC			440 - 480 V AC		
	hp	FLA	LRA	hp	FLA	LRA
MS132-0.16	-	0.16	0.96	-	0.16	0.96
MS132-0.25	-	0.25	1.5	-	0.25	1.5
MS132-0.4	-	0.4	2.4	-	0.4	2.4
MS132-0.63	-	0.63	3.78	-	0.63	3.78
MS132-1.0	-	1	6	-	1	6
MS132-1.6	1/10	1.6	9.6	-	1.6	9.6
MS132-2.5	1/6	2.5	15	1/2	2.5	15
MS132-4.0	1/3	4	24	1/2	4	24
MS132-6.3	1/2	6.3	37.8	1	6.3	37.8
MS132-10	1-1/2	10	60	3	8.5	46
MS132-12	2	12	72	3	8.5	64
MS132-16	2	12	72	5	14	81
MS132-20	3	17	92	5	14	81
MS132-25	3	17	127	7-1/2	21	116
MS132-32	5	28	162	10	26	145

Type	Motor rating, three phase											
	110 - 120 V AC			220 - 240 V AC			440 - 480 V AC			500 - 600 V AC		
	hp	FLA	LRA	hp	FLA	LRA	hp	FLA	LRA	hp	FLA	LRA
MS132-0.16	-	0.16	0.96	-	0.16	0.96	-	0.16	0.96	-	0.16	0.96
MS132-0.25	-	0.25	1.5	-	0.25	1.5	-	0.25	1.5	-	0.25	1.5
MS132-0.4	-	0.4	2.4	-	0.4	2.4	-	0.4	2.4	-	0.4	2.4
MS132-0.63	-	0.63	3.78	-	0.63	3.78	-	0.63	3.78	-	0.63	3.78
MS132-1.0	-	1	6	-	1	6	-	1	6	1/2	1	6
MS132-1.6	-	1.6	9.6	-	1.6	9.6	3/4	1.6	9.6	3/4	1.6	9.6
MS132-2.5	-	2.5	15	1/2	2.5	15	1	2.5	15	1-1/2	2.5	15
MS132-4.0	-	4	24	1	4	24	2	4	24	3	3.9	26
MS132-6.3	1/2	6.3	37.8	1-1/2	6.3	37.8	3	4.8	32	5	6.1	37
MS132-10	3/4	10	60	3	9.6	64	5	7.6	46	7-1/2	9	51
MS132-12	1-1/2	12	72	3	9.6	64	7-1/2	11	64	10	11	65
MS132-16	2	16	84	5	15.2	92	10	14	81	10	11	65
MS132-20	3	19.2	128	5	15.2	92	10	14	81	15	17	93
MS132-25	3	19.2	128	7-1/2	22	127	15	21	116	20	22	116
MS132-32	5	30.4	184	10	28	162	20	27	145	25	27	146

Type	UL 508 — Manual Motor Controller							
	Max. Circuit Breaker per UL/NEC	Max. Fuse type K5 o. RK5 per UL/NEC	for Motor Disconnect		for Group Installation		for Tap Conductor	
			Max. Short Circuit Current [kA]		Max. Short Circuit Current [kA]		Max. Short Circuit Current [kA]	
	480 V / 600 V [A]	480 V / 600 V [A]	480 V	600 V	480 V	600 V	480 V	600 V
MS132-0.16	250	250	30	18	30	-	30	-
MS132-0.25	250	250	30	18	30	-	30	-
MS132-0.4	250	250	30	18	30	-	30	-
MS132-0.63	250	250	30	18	30	-	30	-
MS132-1.0	250	250	30	18	30	-	30	-
MS132-1.6	250	250	30	18	30	-	30	-
MS132-2.5	250	250	30	18	30	-	30	-
MS132-4.0	250	250	30	18	30	-	30	-
MS132-6.3	250	250	30	18	30	-	30	-
MS132-10	250	250	30	18	30	-	30	-
MS132-12	250	250	30	18	30	-	30	-
MS132-16	250	250	30	18	30	-	30	-
MS132-20	250	250	30	18	30	-	30	-
MS132-25	250	250	30	18	30	-	30	-
MS132-32	250	250	30	18	30	-	30	-

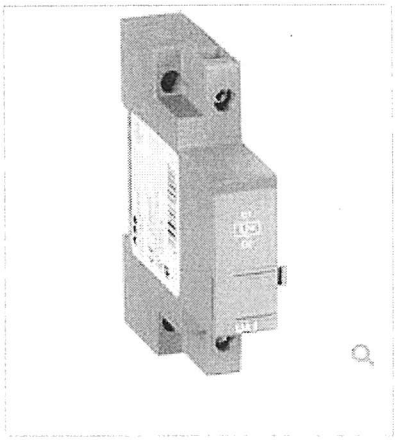
UA1-208

ABB contact for United States of America

Print View..
Print to Pdf..

General Information

Extended Product Type:	UA1-208
Product ID:	1SAM201904R1008
EAN:	4013614337604
Catalog Description:	UA1-208 Undervoltage Release
Long Description:	UA1-208 Undervoltage release 208V 60Hz



Categories

Products » Low Voltage Products and Systems » Control Products » Manual Motor Starters » Manual Motor Starters Accessories

Ordering

EAN:	4013614337604
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Container Information

Package Level 1 Width:	93 mm
Package Level 1 Length:	25 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	0.11 kg
Package Level 1 Units:	1 piece

Dimensions

Product Net Width:	18 mm
Product Net Height:	90 mm
Product Net Depth:	75.5 mm
Product Net Weight:	0.1 kg

Technical

Rated Control Supply Voltage (U_s):	AuCircuit 208 V AC AuCircuit 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	Auxiliary Circuit 6 kV
Rated Insulation Voltage (U_i):	690 V
Connecting Capacity-Auxiliary Circuit:	Rigid 1/2x 1 ... 4 mm² Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm² Flexible 1/2x 0.75 ... 2.5 mm²
Tightening Torque:	Auxiliary Circuit 0.8 ... 1.2 N·m
Wire Stripping Length:	Auxiliary Circuit 10 mm
Recommended Screw Driver:	Pozidriv 2
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1
Product Name:	Undervoltage Release

Suitable For:	MS116 MS132
Suitable for Product Class:	Manual Motor Starters

Environmental

Ambient Air Temperature:	Operation -25 .... +60 °C Storage -50 ...+80 °C
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical UL/CSA

Connecting Capacity-Auxiliary Circuit UL/CSA:	Stranded 1/2x 16 ... 12 AWG Flexible 1/2x 16 ... 12 AWG

Certificates and Declarations (Document Number)

ABS Certificate:	1SAA963001-0101
BV Certificate:	1SAA963000-0202
cUL Certificate:	cUL_E137861
Declaration of Conformity - CE:	1SAD938501-0188 1SAD938508-0125 1SAD938503-0183 1SAD938515-0060
DNV Certificate:	1SAA963001-0303
GL Certificate:	1SAA963001-0401 1SAA963000-0402
GOST Certificate:	1SAA937000-2703
LR Certificate:	1SAA963000-0504 1SAA963001-0501
RINA Certificate:	1SAA963000-0801
RoHS Information:	1SAA963001-4407
UL Certificate:	UL_E137861

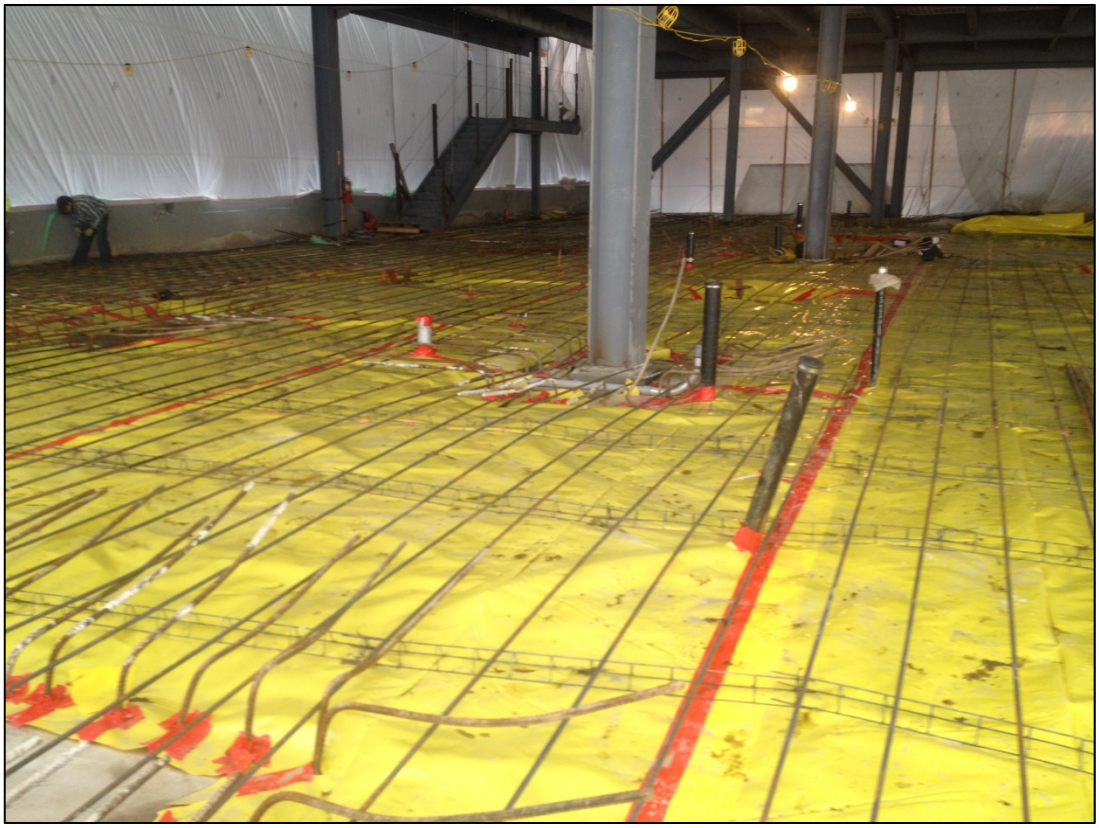
Classifications

eClass:	7.0 27379201
UNSPSC:	39120000

APPENDIX M

Photographs of Vapor Barrier, SSDS, and
Composite Cover Installation

Photograph 1: Vapor Barrier Installation



Photograph 2: Vapor Barrier Installation

Photograph 3: Vapor Barrier Installation

Photograph 4: SSDS Installation

Photograph 5: SSDS Installation

Photograph 6: SSDS Installation

Photograph 7: SSDS and Monitoring Point Installation

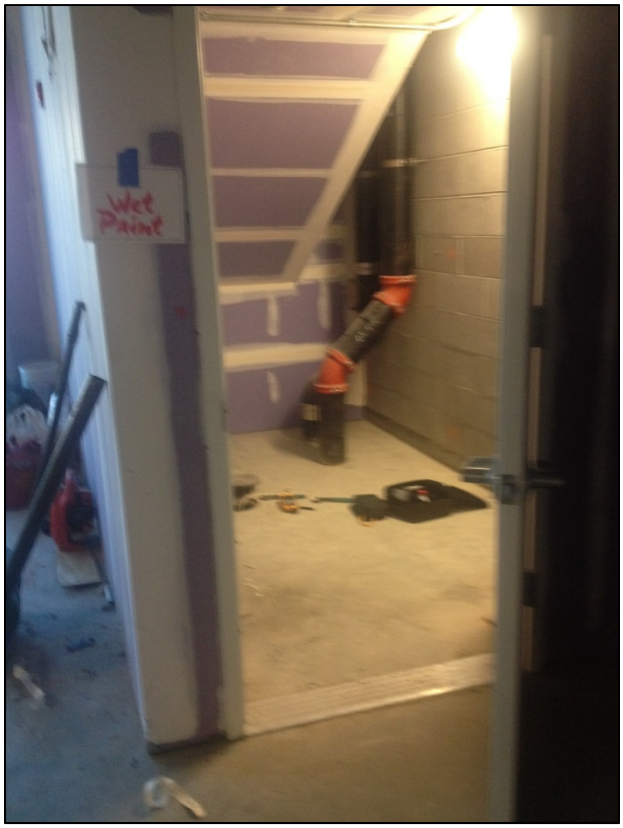
Photograph 8: Vapor Barrier and Monitoring Point Installation

Photograph 9: Blower Installed on Roof

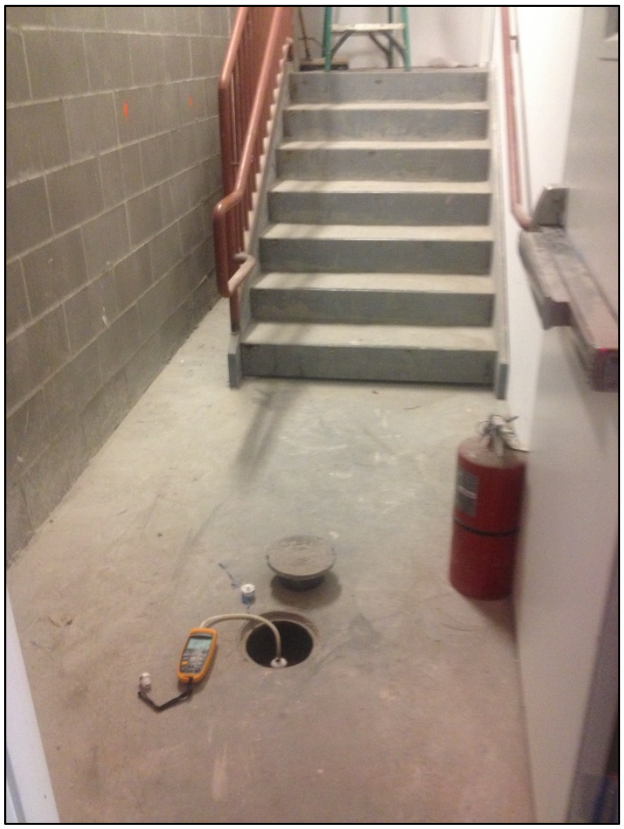
Photograph 10: Installed Blower and Control Panel

Photograph 11: Installed Blower Alternate View

Photograph 12: Low Vacuum Switch



Photograph 13: 6-inch Stack in Utility Closet



Photograph 14: Soil Vapor Monitoring Point with Field Instrument

APPENDIX N

Active SSDS Start-Up Data

APPENDIX N

EQO Start-Up Testing - October 13, 2015

ACTIVE SUB-SLAB DEPRESSURIZATION START-UP MONITORING LOG

PROJECT:	Equity One, Inc.	DATE STARTED:	10/13/2015
Location :	Bronx, NY	PERSONNEL:	G. Netuschil
Roux Project No.:	1924.0008Y000	ALARM WARNING LIGHT CHECKED?:	Yes
System:	Active Sub-Slab Depressurization System		
Blower :	Rotron EN505AX72ML, 2 Hp		
Blower Range:	Blower capable of 90 inches of water, 45 cfm		

Blower	Vacuum (in. w.c.)	Comment
Inlet	18	Blower located on roof.
Soil Vapor Monitoring Point	**Vacuum (in. w.c.)**	**Comment**
SV-1	0.856	Located in stair well in back of tenant spaces in Lot 21.
SV-2	0.792	Located in closet below stairs for second floor in Lot 21.
SV-3	0.893	Located in recylcing closet in Lot 23.
SV-4	0.867	Located in maintenance corridor behind tenant spaces in Lot 23.

APPENDIX O

Operating Log

APPENDIX O

SSDS Operating Log, Equity One, Broadway, Bronx, New York

Source of Reading	Units	Values	Comments
SSDS Blower Inlet Vacuum	Inches of Water		

Is the system operating within the acceptable conditions? _____

If no, was the condition corrected and how? _____

Form Completed By: _____ Signature: _____ Date & Time: _____