New Housing New York Legacy Project

700-730 Brook Avenue
BRONX, NEW YORK

Site Management Plan

NYSDEC Site Number: C203043

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Revisions to Final Approved Site Management Plan:

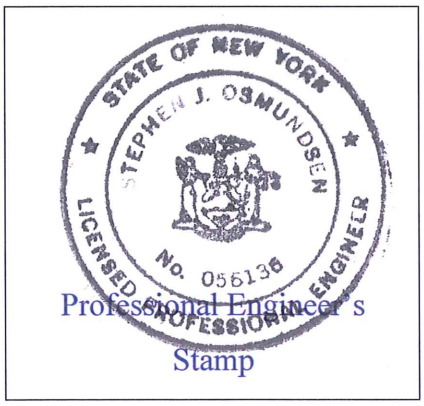
Revision #	Submitted Date	Summary of Revision	DEC Approval Date

DECEMBER 2011

CERTIFICATION

I, Stephen Osmundsen, certify that I am currently a registered professional engineer licensed by the State of New York and that this Site Management Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

056136	12/7/11	
NYS Professional Engineer #	Date	Signature



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1. Land Title Survey (Rear Pocket)

LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CAMP	Community Air Monitoring Plan
CA RICH	CA RICH Consultants, Inc.
CLP	Contract Laboratory Protocol
COC	Certificate of Completion
DUSR	Data Usability Summary Report
EC	Engineering Controls
ELAP	Environmental Laboratory Accreditation Program
ESA	Environmental Site Assessment
EWP	Excavation Work Plan
HASP	Health and Safety Plan
IC	Institutional Controls
ISCO	In-Situ Chemical Oxidation
LEL	Lower Explosive Limit
NYCRR	New York Codes Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYCDEP	New York City Department of Environmental Protection
NYSDOH	New York State Department of Health
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene or perchloroethene
PID	Photoionization Detector

PRR	Periodic Review Report
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
Acronym	**Definition**
ROD	Record of Decision
SCOs	Soil Cleanup Objectives
SMP	Site Management Plan
SVOCs	Semi-volatile Organic Compounds
SSD	Sub Slab Depressurization
SSSALs	Site-Specific Soil Action Levels
SVI	Soil Vapor Intrusion
SWPPP	Storm-Water Pollution Prevention Plan
TAL	Target Analyte List
TOGS	Technical and Operational Guidance Series
VOCs	Volatile Organic Compounds
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional

SITE MANAGEMENT PLAN

1.0 INTRODUCTION AND DESCRIPTION OF REMEDIAL PROGRAM

1.1 INTRODUCTION

This document is required as an element of the remedial program at New Housing New York Legacy Project (hereinafter referred to as the "Site") under the New York State (NYS) Brownfield Cleanup Program (BCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #W2-1129-08-11, Site #C203043, which was executed on February 23, 2009.

1.1.1 General

Via Verde Homes, LLC, Via Verde Rental Associates, L.P., and the City of New York Department of Housing Preservation and Development ("HPD") entered into a BCA with the NYSDEC to investigate and remediate a 1.41-acre property located in the Bronx, New York. This BCA required the Remedial Party, Via Verde Homes, LLC, Via Verde Rental Associates, L.P., and the City of New York Department of Housing Preservation and Development (HPD), to investigate and remediate contaminated media at the Site. A figure showing the location and boundaries of this 1.41-acre Site is provided in Figure 1. The boundaries of the Site are more fully described in the metes and bounds description in Appendix A; which is a part of the Environmental Easement. The boundaries are illustrated on Plate 1 (rear pocket). It is noted that the Deed was transferred on December 30, 2009 and HPD no longer has any ownership interest.

After completion of the remedial work described in the Remedial Action Work Plan, some contamination was left in the subsurface at this Site, which is hereafter referred to

as 'remaining contamination." This Site Management Plan (SMP) was prepared to manage remaining contamination at the Site until the Environmental Easement is extinguished in accordance with ECL Article 71, Title 36. All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State.

This SMP was prepared by Stephen J. Osmundsen, P.E. on behalf of Via Verde Homes, LLC, Via Verde Rental Associates, L.P., in accordance with the requirements in NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and the guidelines provided by NYSDEC. This SMP addresses the means for implementing the Institutional Controls (ICs) and Engineering Controls (ECs) that are required by the Environmental Easement for the Site.

1.1.2 Purpose

The Site contains contamination left after completion of the remedial action. Engineering Controls have been incorporated into the Site remedy to control exposure to remaining contamination during the use of the Site to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Office of the City Register, will require compliance with this SMP and all ECs and ICs placed on the site. The ICs place restrictions on site use, and mandate operation, maintenance, monitoring and reporting measures for all ECs and ICs. This SMP specifies the methods necessary to ensure compliance with all ECs and ICs required by the Environmental Easement for contamination that remains at the site. This plan has been approved by the NYSDEC, and compliance with this plan is required by the grantor of the Environmental Easement and the grantor's successors and assigns. This SMP may only be revised with the approval of the NYSDEC.

This SMP provides a detailed description of all procedures required to manage remaining contamination at the site after completion of the Remedial Action, including: (1) implementation and management of all Engineering and Institutional Controls; (2) media

monitoring; (3) operation and maintenance of all treatment, collection, containment, or recovery systems; (4) performance of periodic inspections, certification of results, and submittal of Periodic Review Reports; and (5) defining criteria for termination of treatment system operations.

To address these needs, this SMP includes three plans: (1) an Engineering and Institutional Control Plan for implementation and management of EC/ICs; (2) a Monitoring Plan for implementation of Site Monitoring; (3) an Operation and Maintenance Plan for implementation of remedial collection, containment, treatment, and recovery systems (including, where appropriate, preparation of an Operation and Maintenance Manual for complex systems).

This plan also includes a description of Periodic Review Reports for the periodic submittal of data, information, recommendations, and certifications to NYSDEC.

It is important to note that:

- This SMP details the Site-specific implementation procedures that are required by the Environmental Easement. Failure to properly implement the SMP is a violation of the environmental easement, which is grounds for revocation of the Certificate of Completion (COC);
- Failure to comply with this SMP is also a violation of Environmental Conservation Law, 6NYCRR Part 375 and the BCA, Index #W2-1129-08-11, Site #C203043 for the Site, and thereby subject to applicable penalties.

1.1.3 Revisions

Revisions to this plan will be proposed in writing to the NYSDEC's project manager. In accordance with the Environmental Easement for the Site, the NYSDEC will provide a notice of any approved changes to the SMP, and append these notices to the SMP that is retained in its files.

1.2 SITE BACKGROUND

1.2.1 Site Location and Description

The Site is located in the County of the Bronx, New York and is identified as Section 9, Block: 2359; Lot 51 which includes Condominium Lots 1001, 1002, 1003, and 1004, and was formerly part of Lots 1 and 3 on the Bronx County Tax Map. The Site is an approximately 1.41-acre area bounded by East 156th Street to the north, an athletic field to the south, New York City Housing Authority Bronxchester Houses and South Bronx High School to the east, and Brook Avenue to the west (see Figure 1). The boundaries of the Site are more fully described in Appendix A – Metes and Bounds.

1.2.2 Site History

1.2.2.1 Past Uses and Ownership

Historical records indicate that the Site was originally developed circa 1908 with three small buildings and was part of the New York Central and Hudson River Railroad Company's freight yard. Circa 1927, the Site was also developed with a provisions facility. In addition, a gasoline station existed on the northern portion of the Site circa 1935 through the late 1970's. In the early 1980's, the provisions facility was closed and the rail spurs were removed. Although the Site was vacant upon its entrance into the BCP, remnants of the foundations of the former gas station and provisions facility still existed on the Site. A pre-development Site Plan is included as Figure 1.

1.2.2.2 Phase I and Phase II Reports

A Phase I Environmental Site Assessment ("Phase I ESA") was conducted by Earth Tech, Inc. (Ref. 1) in December 2004. The results of the Phase I ESA were documented in a report dated December 2004, which concluded and recommended the following:

- Based upon information provided in the historic maps and photographs, the northern, western, and eastern portions of the Site were occupied by a filling station, a store/warehouse operated by a provisions company, and railroad spurs as early as 1935, respectively, prior to being vacated. The maps (from 1944 through 1951) indicated that the Site had three gasoline tanks along the northern portion of the Site. No records could be obtained to confirm if the gasoline tanks and appurtenances were removed prior to the demolition of the former buildings on-Site. Based on this conclusion, it was recommended by a prior consultant (Earth Tech, Inc.) that a geophysical survey be performed. A site investigation consisting of the collection of soil samples was also recommended in the Phase I to evaluate the potential impact from the presence of former gasoline tanks and the former operations of the New York Central Railroad Company at the Site.

The findings of the Phase I ESA were further investigated and the results of the subsequent remedial investigation activities were documented as part of the Site Characterization and Data Summary ("SCDS") Report dated September 2006 conducted by URS Corporation (Ref. 2) and Supplemental Site Investigation ("SSI") Report dated April 2007 conducted by CA RICH (Ref 3).

The SCDS conducted by URS Corporation in 2006 included the following:

- Historical database review;
- Geophysical survey of the former gasoline station portion of the Site;
- Excavation of three test trenches;
- Drilling of eight soil borings;
- Installation of eight temporary wells; and

- Collection of seven soil samples from the borings, three soil samples from the test trenches, and eight groundwater samples from the temporary wells for analysis.

The geophysical survey revealed several anomalies that may be representative of buried USTs. Semi-volatile organic compounds ("SVOCs") and metals were detected in soil samples above NYSDEC Technical Administrative Guidance Memo ("TAGM") 4046 (Ref. 4) and/or Eastern USA background levels in one or more of the samples. Volatile organic compounds ("VOCs"), SVOCs, the polychlorinated biphenyl ("PCB") Aroclor 1260, and metals were detected above Technical and Operational Guidance Series ("TOGS") in one or more of the samples. It is noted that PCB analysis was not requested for the soil samples; therefore, the presence of the PCB Aroclor 1260 in the groundwater could not be correlated with its associated soil sample.

The SCDS also noted that strong to moderate petroleum odors were identified at three soil borings in the former gasoline station area at a depth of 17 – 21 feet. A petroleum sheen with strong to moderate petroleum odors were noted while collecting groundwater samples in the former gas station area.

The SSI conducted by CA RICH in 2007 included the collection and analysis of surface (0 to 2 inches) and shallow (0 to 2 feet) soil samples at six locations at the Site. The lithology encountered during advancement of the borings revealed that the Site contains fill material from the surface to the explored depth of two feet below grade. Based on the analytical results, VOCs, PCBs, and pesticides were detected below TAGM guidance values in soil samples. However, benzo(a)anthracene, benzo(a)pyrene, and chrysene were detected above TAGM values in all soil samples, and benzo(b)fluoranthene, dibenzo(a,h)anthracene, and benzo(k)fluoranthene were detected above TAGM values in several borings.

In addition, arsenic, chromium, copper, lead, magnesium, mercury, and nickel were detected above TAGM values or Eastern USA Background levels in one or more of the

soil borings. The SSI report noted that the occurrence of PCBs and pesticides at the Site may be attributable to former rail line operations and use. The SVOCs and metals detected are typical of fill material found in New York City, but their occurrence may also be attributable to the former use as a rail yard.

1.2.3 Geologic Conditions

According to pre-construction survey measurements obtained during the RI, prior to redevelopment, the Site elevation ranged from 8 to 24 feet above mean sea level based on the Borough of the Bronx Datum. Along the Brook Avenue (west) side of the Site, a steep slope of approximately 10 feet descended from the sidewalk eastward. Pre-development elevations are illustrated on Figure 2.

Based upon the Geology and Engineering Geology of the New York Metropolitan Area, Field Trip Guidebook T361, July 20 – 25, 1989, edited by Charles A. Baskerville for the 28th International Geologic Congress (Ref. 5), the Site is underlain by bedrock belonging to the Ordovician-Cambrian Inwood Marble Formation consisting of dolomite marble, calcschist, and grades to underlying patchy Lowerre Quartzite of early Cambrian age. Surficial geologic materials are characterized as ground moraine and/or urban fill consisting of sand, silt, clay and gravel. According to Site-specific geological data collected from borings and test pits during the SCDS, the SSI and the RI, the upper eight feet of the Site contains unconsolidated fill materials. A geologic section is shown in Figure 3.

Due to extreme differences in elevation, the uppermost groundwater surface was recorded during the RI at a depth of approximately 16 to 22 feet below sidewalk grade (or at an elevation of two to three feet above sea level) within the unconsolidated materials. Based upon Site-specific groundwater elevation data obtained during the RI, groundwater flows in a south-westerly direction, mirroring expected regional groundwater flow to the south/southwest with eventual discharge to the Harlem River and Bronx Kill. Underlying groundwater in this area of the South Bronx is not used for potable supply purposes. A

groundwater elevation contour map that includes a tabulation of the casing elevations and depth to water measurements obtained during the RI are included as Figure 4.

1.3 SUMMARY OF REMEDIAL INVESTIGATION FINDINGS

A Remedial Investigation (RI) was performed to characterize the nature and extent of contamination at the site. The results of the RI are described in detail in the following reports:

1. URS Corporation. Site Characterization and Data Summary Report. September 2006.
2. CA RICH. Supplemental Site Investigation Report. April 2007.
3. CA RICH. Remedial Investigation Report. February 2009.

Generally, the RI determined that the source of the VOCs detected in soil and groundwater samples from the Site are generally related to the historic use of the property as a gasoline service station. Several SVOCs and metals were identified which are related to historic fill materials. Based on the degree of soil and groundwater contamination, the former gasoline service station has been identified as a primary source area for the VOCs and PCBs (based upon the location of the PCB detection beneath the former service station possibly associated with the former hydraulic lifts). Meanwhile, the former rail yard/ provision facility mostly likely contributed to the detection of SVOCs and metals. Below is a summary of Site conditions when the RI was performed in 2006, 2007 & 2009.

Soil

Overall, the subsurface soil/fill materials encountered at the higher Site elevations (along Brook Avenue) during the RI generally consisted of concrete and/or asphalt at the surface followed by loose fill materials containing asphalt and brick fragments, which was in turn underlain by coarse sands and gravels. The subsurface soils at the lower elevations on

the Site did not include loose fill materials, but mostly consisted of medium to coarse grain sand and gravel.

- The contaminants of concern at the Site included VOCs, SVOCs, PCB Aroclor 1260, and select metals. Soil concentrations above 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives ("UUSCOs") are illustrated on Figure 5.
- No pesticides were detected above 6 NYCRR Part 375 UUSCOs (Ref. 6)
- VOCs of concern were detected in the soil samples collected at the Site at concentrations ranging from 0 to 1,400 ug/kg. These include both organic solvents and petroleum-related compounds along with their degradation products, including benzene, acetone, chloroform, ethylbenzene, isopropylbenzene, methyl tert-butyl benzene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, toluene, tetrachlroethylene, and xylenes. It is noted that the only detections in excess of 6 NYCRR Part 375 UUSCOs were for acetone, a common laboratory interference compound.
- Several SVOCs commonly referred to as polynuclear aromatic hydrocarbons ("PAHs") were detected at varying depths in soil samples throughout the Site above 6 NYCRR Part 375 UUSCOs .
- PCB Aroclor 1260 was detected in the soil beneath the former gasoline station portion of the Site at concentrations below 6 NYCRR Part 375 UUSCOs.
- Several metals were detected in the soil above the 6 NYCRR Part 375 UUSCOs.

Site-Related Groundwater

Prior to site redevelopment, the shallow groundwater table was encountered from four to twenty feet below grade due to extreme elevation changes across the Site. The direction of shallow groundwater flow based upon static water levels collected from the network of five monitoring wells installed during the RI is toward the southwest.

The contaminants of concern at the Site include VOCs, SVOCs, PCB Aroclor 1260, and select metals. Groundwater concentrations above TOGS (Ref 7) are illustrated on Figure 6 and Tables 10-14.

VOCs – benzene, ethylbenzene, isopropylbenzene, n-Propylbenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, xylene, toluene, chloroform, acetone and MTBE were detected above their applicable TOGS standards.

SVOCs – benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, naphthalene, phenol and bis(2-Ethylexyl)phthalate, were detected at concentrations that exceeded the TOGS standards.

Metals – dissolved metals exceeding TOGS standards include antimony, iron, manganese, magnesium, and sodium.

Pesticides – There were no detections of pesticides exceeding TOGS standards.

PCBs – There was one detections of PCBs (Aroclor 1260) exceeding TOGS standards.

The VOCs and the PCB Aroclor 1260 were believed to be related to the Site's former usage as a gasoline station. The SVOCs and naturally occurring metals were believed to be a ramification of the historic fill conditions at the Site. Based upon the detection and distribution of groundwater contaminants, treatment including in-situ chemical oxidation ("ISCO") and monitored natural attenuation was performed in the area of the former service station (northwest corner of the Site). Post-remedial monitoring of the ISCO treatment includes installation of four monitoring wells and quarterly sampling and analysis to track the effectiveness of this treatment over time. The monitoring requirements are outlined in Section 3 of this SMP.

Site-Related Soil Vapor Intrusion

The potential for soil vapor intrusion at the Site was investigated as part of the RI, prior to redevelopment through the installation and sampling of ten temporary soil vapor points (SVP-1 through SVP-10). VOCs were detected in the soil vapor throughout the Site. The higher detections, 50 micrograms per meter cubed (ug/m3) or greater, include chloroform at 615 ug/m3 in SVP-6, dibromochloromethane at 57.9 ug/m3 in SVP-8, dibromochloromethane at 152 ug/m3 in SVP-9, and tetrachloroethylene at 121 ug/m3, acetone at 359 ug/m3, and toluene at 50.9 ug/m3 in SVP-10. Soil vapor sample locations and analytical results are summarized on Figure 7.

Soil Vapor sampling and analysis results indicated petroleum-related VOCs and chlorinated solvents exist in the subsurface soil vapor and are linked to the Site's former use as a gasoline station. The other compounds are believed to be related to the Site's former use as a provisions facility and rail yard or a ramification of the Site's historic fill condition. To prevent residual soil vapor from entering the new buildings' interior, installation of a vapor barrier as well as an active sub slab depressurization ("SSD") system were included in the construction of the new buildings' foundations. Post-remedial monitoring of this system includes periodic vacuum readings from the Magnehelic® gauges installed in the SSD risers to confirm that vacuum is being maintained beneath the slab. Each of the on-site buildings is equipped with two risers and fans attached to the sub-slab SSD piping. During system testing, one of the fans on each building will be shut off and vacuum readings will be taken from the riser with the inoperable fan to ensure communication of vacuum beneath the slab from the other (operating) fan. This monitoring is outlined in Section 3 of this SMP.

Underground Storage Tanks

On-Site redevelopment activities revealed the presence of six underground storage tanks. These include: one 550-gallon number two fuel oil UST, one 550-gallon gasoline UST, one 275-gallon number two fuel oil UST, one 275-gallon waste oil UST, one 3,000-

gallon number six fuel oil UST, and one 750-gallon number two fuel oil UST. All of the tanks were properly removed, registered and disposed of in accordance with NYSDEC regulations as per the provisions in the Remedial Action Work Plan ("RAWP"). Excavation for the two 275-gallon USTs encountered impacted soils and as such, a requisite telephone call to the NYSDEC's Spill Hotline was made, and Spill Number 0913723 was assigned to the Site. Soil excavation and disposel (approximately 550 tons) from the grave of the 275-gallon tanks along with end-point sampling and analysis from all of the tank excavations resulted in spill case closure. In addition, the required initial NYSDEC registration and substantial tank modification (Closed - Removed) was submitted to the NYSDEC for all of the tanks. The locations of the tanks are illustrated on Figure 8 and a copy of the closure report (including tank registration/closure documentation is included in Appendix J .

1.4 SUMMARY OF REMEDIAL ACTIONS

The Site was remediated in accordance with the NYSDEC-approved Remedial Action Work Plan, dated July 2009. The following is a summary of the Remedial Actions performed at the Site:

A Track 4 cleanup as per 6NYCRR Part 375-3.8(e)(4) was performed for the Site. The following is a summary of the selected remedy as set forth in the approved RAWP including all EC/ ICs:

1. Excavation of all soil/fill materials exceeding the Track 4 Site Specific Soil Action Levels ("SSSALs") established for the Site. The Track 4 SSSALs approved for this Site are listed in Table 1. The limits of the soil excavation are shown on Figure 9.

2. Collection of waste characterization samples as needed to profile the soil/fill excavated for disposal purposes.

3. Screening for indications of contamination (by visual means, odor, and monitoring with photoionization detector ("PID")) of all excavated soil/fill during intrusive Site work.

4. Collection and analysis of end-point samples in accordance with DER-10 Technical Guidance for Site Investigation and Remediation ("DER-10") dated May 2010 to evaluate the performance of the remedy with respect to attainment of the Track 4SSSALs.

5. Appropriate off-Site disposal of all material removed from the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal.

6. Removal of all USTs and hydraulic lifts and associated petroleum contaminated soil in accordance with applicable regulations.

7. Injection of Regenox™ and ORC® Advanced (ISCO treatment) into the shallow groundwater (approximately 22 feet below sidewalk grade) and soil/fill in the smear zone (approximately 17-21 feet below sidewalk grade) in the northern portion of the Site (see Figure 14 for injection locations).

8. Construction and maintenance of an engineered composite cover consisting of: (1) a composite cover system in all landscaped and non-covered areas; and (2) concrete building foundations, sidewalks/pathways and asphalt roadways to prevent human exposure to residual contaminated soil/fill remaining under the Site.

9. A vapor barrier and an active SSD system incorporated into the building's foundation as illustrated on Figure 10, 11, 11a & 11b. The SSD system consists of horizontal trenches filled with perforated pipes. The horizontal pipes are connected to vertical risers that extend above the roof of the

building. All pipe penetrations through the vapor barrier were sealed in accordance with the manufacturer's recommendations. The vapor barrier specifications are enclosed as Appendix B.

10. Collection and analysis of post-remedial groundwater samples to evaluate the performance of the remedy. Post-remedial groundwater monitoring well locations are illustrated on Figure 12.

11. Recording of an Environmental Easement, including ICs, to prevent future exposure to any residual contamination remaining at the Site . A copy of the Environmental Easement is included as Appendix C.

12. Publication of an SMP for long-term management of residual contamination as required by the Environmental Easement, including plans for: (1) Institutional and Engineering Controls; (2) monitoring; (3) operation and maintenance; and (4) reporting.

13. Import of all materials used for fill in compliance with (1) the soil cleanup objectives outlined in 6 NYCRR Part 375-6.7(d); and (2) all Federal, State and local rules and regulations for handling and transport of material.

14. The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the Department, until the Department notifies the property owner in writing that this certification is no longer needed. This submittal would: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with Department-approved modifications; (b) allow the Department access to the Site; and (c) state that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to

comply with the Site Management Plan unless otherwise approved by the Department.

Remedial activities were completed at the Site in October, 2011.

1.4.1 Removal of Contaminated Materials from the Site

The removal of materials from the Site included: 1) the demolition of existing structures and associated materials such as brick and concrete; 2) the excavation and removal of subsurface soils, and construction and demolition debris; and, 3) removal of six USTs and associated tank liquid and sludge.

1.4.1.1 Soil Cleanup Objectives

The remedy selected for this Site included a Track 4 cleanup with SSSALs and implementation of certain IC/ECs. The SSSALs were developed based upon 6 NYCRR Part 375 and data from the RI report. All excavation end-point soil samples met or exceeded the Track 4 SSSALs. A list of the Track 4 SSSALs and applicable land use for this Site is provided in Table 1.

1.4.1.2 Removal Quantities

During the remedial action, a total of 1603.27 tons of soil/fill were removed from the Site. A total of 589.05 tons of soil/fill were disposed of at the Pure Soil Technologies – Walter Earle Corp. facility in Jackson, New Jersey and a total of 1014.22 tons of soil/fill were disposed of at the Bellmawr Waterfront Development Site disposal facility in New Jersey. The volume of construction and demolition debris removed from the Site during demolition/excavation was 1,040 cubic yards. The construction and demolition debris was disposed of at Cardella Waste of North Bergen, NJ. In addition, 1,217-gallons of petroleum product/water mixture, 1,860 of #6 fuel oil, and five 55-gallon drums of tank sludge was removed from the four identified USTs that contained liquid. All liquid (3,077 pounds total) and drums of sludge was disposed of at Clean Waters of Staten Island of Staten Island, New York. A summary of soil and C&D disposal (including disposal dates) is enclosed as Table 2. In addition, the manifests for the disposal of the petroleum product/water mixture and tank sludge are included in the Tank Closure Report (Appendix J).

1.4.1.3 Location of Materials Removed

A former filling station was present on the northwestern portion of the Site. Two 550-gallon, two 275-gallon, and one 750-gallon USTs were located within the former filling station. In addition, one 3,000-gallon UST was also present in the northwestern portion of the Site but was not in the former filling station location. The six USTs, associated

tank liquid and sludge, and associated fill ports and vent pipes were removed during excavation activities in April 2010. The locations of the former USTs are illustrated on Figure 8. The Tank Closure Report summarized the removal activities (Appendix J).

To comply with the Track 4 SSSALs, the excavation of soil/fill within three hot-spot areas was performed. Samples were obtained from the three hot spots (designated 1, 2, and 3) at the Site (see Figure 2 for locations). In order to satisfy the Track 4 SSSALs, three rounds of excavation and sampling were performed in hot spot 2. The final excavation depth in hot spot 1 ranged from 2.5 feet to 6 feet; 22 feet in hot spot 3; and 10 feet in hot spot 2. Areas where excavation was performed as well as the final excavation depths are shown in Figure 9. In addition, due to extreme elevation differences at the Site, the redevelopment included cut and fill, and the importation of clean fill, with minimal off-Site disposal of soil/fill materials. Soil/fill from the western portion of the Site was used to bring up the elevation on the eastern portion of the Site. In addition, importation of clean fill was performed to bring the Site up to grade. The cut/fill thicknesses are illustrated on Figure 13. The quantity of soil imported into the Site for backfill and cover soil is approximately 11,423 cubic yards. The quantity of soil/fill reused/relocated on Site is approximately 5,000 cubic yards. All of the materials reused on the Site were in compliance with Track 4 SSSALs as acceptable to NYSDEC/NYSDOH.

All imported soils were tested to ensure compliance with the lower of the protection of groundwater or the protection of public health SCOs for restricted residential use as outlined in 6 NYCRR Part 375-6.7(d) and table 375-6.8(b). The sources of the clean fill used at the Site is the Tilcon facility located in the Bronx, NY and the Thalle Industries Site located in Elmsford, NY. Documentation identifying the source(s) and location for imported soil, and certifying that the fill complies with 6 NYCRR Part 375-6.7(d) was submitted to NYSDEC for review and approval prior to delivery of the fill to the Site. Documentation included analytical results from a NY State ELAP-certified laboratory of soil samples collected by a Qualified Environmental Professional at the fill source. The samples were collected at a frequency of one per every 250 cubic yards of clean fill to be

delivered to the Site. Chemical analysis included VOCs via EPA Method 8260, SVOCs via EPA Method 8270, pesticides, PCBs, and TAL metals.

1.4.2 Site-Related Treatment Systems

1.4.2.1 In-Situ Chemical Oxidation

Based upon the detection and distribution of groundwater contaminants, treatment including in-situ chemical oxidation and natural attenuation was performed in the area of the former service station (northwest corner of the Site).On April 1st through 9th, 2010 Regenox™ and ORC® Advanced (ISCO treatment) was injected into the shallow groundwater and soil/fill in the smear zone . The locations of the injections are illustrated on Figure 14. On April 1st, 2nd, and 5th, ISCO injection was performed at injection points IP-1 through IP-15 from a depth of nine feet up to four feet below grade; at a dosage rate of 115-gallons of Regenox™/ORC® Advanced per point and a water/chemical ratio of one to one. On April 6th through 9th, ISCO injection was performed at injection points IP-16 through IP-28 from a depth of 25 feet up to 17 feet below grade; at a dosage rate of 184-gallons of Regenox™/ORC® Advanced per point and a water/chemical ratio of one to one.

1.4.2.2 Sub-Slab Depressurization (SSD) System

To prevent off-gassing of residual VOCs dissolved in underlying uppermost groundwater and/or in the soil/fill from entering the new building's interior, installation of an active SSD system was included in the construction of the new buildings' foundation as additional protection. The SSD system maintains a negative pressure underneath the slab while allowing the vapors below the concrete slab to vent outdoors without intruding into the building. The SSD system consists of horizontal trenches filled with perforated pipe. The horizontal pipes are connected to vertical risers that are connected to six-inch headers that extend above the roof of the building. SSD fans are mounted on the risers. All pipe penetrations through the vapor barrier were sealed in accordance with the manufacturer's recommendations. The SSD layout is illustrated on Figure 10. The vent

and roof detail is illustrated on Figures 11 & 11a and the SSD trench detail is shown on Figure 11b.

1.4.3 Remaining Contamination

After completion of soil excavation and cut/fill activities, the top of the residual contaminated zone was surveyed. The elevation of the residual contaminated zone is illustrated on Figure 15. The residual contamination zone beneath the buildings was covered with a physical demarcation barrier/layer consisting of a Stego™ 15-mil vapor barrier. The physical demarcation layer beneath the remaining portions of the site consists of orange snow fencing. This demarcation layer constitutes the top of the 'Residuals Management Zone', the zone that requires adherence to special conditions for disturbance of contaminated residual soils defined in this SMP. Included within this zone are the utilities for the new building as well as the piping for the SSD system. Exposure to residual contaminated soils will be prevented by the composite cover system, which includes the vapor barrier. This composite cover system is comprised of (1) a two-foot clean fill buffer in all landscaped/non-capped areas. The two-foot thick cover consists of clean soil/sand underlain by an indicator such as orange plastic snow fence to demarcate the cover soil from the residual soil. The top six to seven inches of the buffer consists of recycled concrete aggregate necessary to support the engineered non-impermeable surfaces (e.g. permeable pavement, grass-pave, tree planting areas, etc.) throughout the Site . Clean soil meets the soil cleanup objectives outlined in 6 NYCRR Part 375-6.7(d); and (2) Impermeable areas (concrete building foundations, sidewalks/pathways and asphalt roadways) covered by a paving system or concrete at least 4 inches thick to prevent human exposure to residual contaminated soil/fill remaining under the Site. The elevation of the vapor barrier and the composite cover system is shown on Figure 16.

To comply with the Track 4 SSSALs, the excavation of soil/fill within three hot-zone areas was performed. Samples were obtained from the northeastern, northwestern and southern hot zones at the Site. Three rounds of excavation and sampling were performed in the northwestern hot zone. The final excavation depth in the southern hot zone ranged

from 2.5 feet to 6 feet, 22 feet in the northeastern hot zone, and 10 feet in the northwestern hot zone (see Figure 9). The analytical results from the samples illustrated that the remaining contamination consists of the polyaromatic hydrocarbons benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene, and the metal lead in limited areas throughout the Site. Tables 3 to5 and Figure 9 summarize the results of all soil samples remaining at the Site after completion of Remedial Action that exceed the Track 1 UUSCOs.

2.0 ENGINEERING AND INSTITUTIONAL CONTROL PLAN

2.1 INTRODUCTION

2.1.1 General

Since remaining contaminated soil and groundwater/soil vapor exists beneath the site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment. This Engineering and Institutional Control Plan describes the procedures for the implementation and management of all EC/ICs at the site. The EC/IC Plan is one component of the SMP and is subject to revision by NYSDEC.

2.1.2 Purpose

This plan provides:

- A description of all EC/ICs on the Site;
- The basic implementation and intended role of each EC/IC;
- A description of the key components of the ICs set forth in the Environmental Easement;
- A description of the features to be evaluated during each required inspection and periodic review;
- A description of plans and procedures to be followed for implementation of EC/ICs, such as the implementation of the Excavation Work Plan for the proper handling of remaining contamination that may be disturbed during maintenance or redevelopment work on the Site; and
- Any other provisions necessary to identify or establish methods for implementing the EC/ICs required by the site remedy, as determined by the NYSDEC.

2.2 ENGINEERING CONTROLS

2.2.1 Engineering Control Systems

2.2.1.1 Composite Cover System

Exposure to remaining contamination in soil/fill at the site is prevented by a composite cover system placed over the Site. This composite cover system is comprised of (1) a two-foot clean fill buffer in all landscaped/non-capped areas. The two-foot thick cover consists of clean soil underlain by an indicator such as orange plastic snow fence to demarcate the cover soil from the residual soil. The top six inches of soil are of sufficient quality to support vegetation. Clean soil meets the soil cleanup objectives outlined in 6 NYCRR Part 375-6.7(d); and (2) Non-vegetated areas (concrete building foundations, sidewalks/pathways and asphalt roadways) covered by a paving system or concrete at least 4 inches thick to prevent human exposure to residual contaminated soil/fill remaining under the Site. In addition, a vapor barrier was installed underneath the entire building foundation as additional protection. The Excavation Work Plan that appears in Appendix D outlines the procedures required to be implemented in the event the cover system is breached, penetrated or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in Section 4 of this SMP.

2.2.1.2 In-Situ Chemical Oxidation/Monitored Natural Attenuation

Based upon the detection and distribution of groundwater contaminants, groundwater treatment including in-situ chemical oxidation and natural attenuation was performed in the area of the former service station (northwest corner of the Site). Regenox™ and ORC® Advanced (ISCO treatment) was injected into the shallow groundwater (approximately 22 feet below sidewalk grade) and soil/fill in the smear zone (approximately 17-21 feet below sidewalk grade). The objective of this injection was to

enhance the natural attenuation of the residual organic chemicals within the shallow groundwater underlying the Site. The location of the injections is illustrated on Figure 14.

This treatment constitutes a one-time injection via temporary injection points utilizing direct-push drilling. As such, no system operation or maintenance is required. However, should concentrations of targeted compounds/constituents increase by an order of magnitude over the baseline data (see Figure 6 and Tables 10-14 for baseline results) or should the concentrations fail to decrease sufficiently during the post remedial monitoring period, a second round of injections will be performed. System monitoring will include quarterly groundwater monitoring utilizing four newly-installed monitoring wells (installed in July 2011). The first round of post remedial monitoring was performed in August 29011 and results are summarized on Tables 15-18. Procedures for the maintenance of the monitoring well network and the quarterly monitoring are outlined in the Monitoring Plan (Section 3 of this SMP).

2.2.1.3 Sub-slab Depressurization (SSD) System

An active SSD system was installed at the Site for additional protection in preventing the off-gassing of any residual VOCs in the soil and groundwater. The SSD system maintains a negative pressure underneath the slab while allowing the vapors below the concrete slab to vent outdoors without intruding into the building. The SSD system consists of horizontal trenches with perforated pipe, a filter sock, and gravel. The horizontal pipes are connected to vertical risers that connect to one six-inch header, which extends above the roof of the building. Any pipe penetrations through the vapor barrier were sealed in accordance with the manufacturer's recommendations. SSD fans were mounted to the riser. The SSD layout is illustrated on Figure 10. The Vent and Roof Detail is illustrated on Figure 11 and the SSD trench detail is shown on Figure 11A.

Procedures for operating and maintaining the SSD system are documented in the Operation and Maintenance Plan (Section 4 of this SMP). Procedures for monitoring the

system are included in the Monitoring Plan (Section 3 of this SMP). The Monitoring Plan also addresses severe condition inspections in the event that a severe condition, which may affect controls at the Site, occurs.

2.2.2 Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when effectiveness monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.6 of DER-10.

2.2.2.1 Composite Cover System

The composite cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals in perpetuity.

2.2.2.2 Sub-slab Depressurization (SSD) System

The active SSD system will not be discontinued unless prior written approval is granted by the NYSDEC. In the event that monitoring data indicate that the SSD system is no longer required, a proposal to discontinue the SSD system will be submitted by the property owner to the NYSDEC and NYSDOH.

2.2.2.3 In-Situ Chemical Oxidation/Monitored Natural Attenuation

Groundwater monitoring activities to assess the effectiveness of the ISCO injections will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If conditions warrant, additional injections will be completed. If groundwater contaminant levels become asymptotic at a

level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

2.3 INSTITUTIONAL CONTROLS

A series of Institutional Controls is required by the RAWP to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the site to restricted residential and commercial uses only. Adherence to these Institutional Controls on the Site is required by the Environmental Easement and will be implemented under this Site Management Plan. These Institutional Controls are:

- Compliance with the Environmental Easement and this SMP by the Grantor and the Grantor's successors and assigns;
- All Engineering Controls must be operated and maintained as specified in this SMP;
- All Engineering Controls on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater, soil vapor and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in this SMP;

Institutional Controls identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement. The Site has a series of Institutional Controls in the form of Site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted residential and commercial use provided that the long-term Engineering and Institutional Controls included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted residential use without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;
- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- Vegetable gardens and farming on the property are prohibited (this does not include raised bed gardens or green roofs);
- The Site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; 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. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

2.3.1 Excavation Work Plan

The Site has been remediated for restricted residential and commercial use. Any future intrusive work that will penetrate the soil cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system will be performed in compliance with the Excavation Work Plan (EWP) that is attached as Appendix D to this SMP. Any work conducted pursuant to the EWP must

also be conducted in accordance with the procedures defined in a Health and Safety Plan (HASP) and Community Air Monitoring Plan (CAMP) prepared for the Site. A sample HASP is attached as Appendix E to this SMP that is in current compliance with DER-10, and 29 CFR 1910, 29 CFR 1926, and all other applicable Federal, State and local regulations. Based on future changes to State and federal health and safety requirements, and specific methods employed by future contractors, the HASP and CAMP will be updated and re-submitted with the notification provided in Section A-1 of the EWP. Any intrusive construction work will be performed in compliance with the EWP, HASP and CAMP, and will be included in the periodic inspection and certification reports submitted under the Site Management Reporting Plan (See Section 5).

The Site owner and associated parties preparing the remedial documents submitted to the State, and parties performing this work, are completely responsible for the safe performance of all intrusive work, the structural integrity of excavations, proper disposal of excavation de-water, control of runoff from open excavations into remaining contamination, and for structures that may be affected by excavations (such as building foundations and bridge footings). The Site owner will ensure that site development activities will not interfere with, or otherwise impair or compromise, the engineering controls described in this SMP.

2.4 INSPECTIONS AND NOTIFICATIONS

2.4.1 Inspections

Inspections of all remedial components installed at the Site will be conducted at the frequency specified in the SMP Monitoring Plan schedule. A comprehensive Site-wide inspection will be conducted annually, regardless of the frequency of the Periodic Review Report. The inspections will determine and document the following:

- Whether Engineering Controls continue to perform as designed;
- If these controls continue to be protective of human health and the environment;

- Compliance with requirements of this SMP and the Environmental Easement;
- Achievement of remedial performance criteria;
- Sampling and analysis of appropriate media during monitoring events;
- If site records are complete and up to date; and
- Changes, or needed changes, to the remedial or monitoring system;

Inspections will be conducted in accordance with the procedures set forth in the Monitoring Plan of this SMP (Section 3). The reporting requirements are outlined in the Periodic Review Reporting section of this plan (Section 5).

If an emergency, such as a natural disaster or an unforeseen failure of any of the ECs occurs, an inspection of the site will be conducted within 5 days of the event to verify the effectiveness of the EC/ICs implemented at the site by a qualified environmental professional as determined by NYSDEC.

2.4.2 Notifications

Notifications will be submitted by the property owner to the NYSDEC as needed for the following reasons:

- 60-day advance notice of any proposed changes in site use that are required under the terms of the BCA 6NYCRR Part 375, and/or Environmental Conservation Law.
- 15-day advance notice of any proposed ground-intrusive activities pursuant to the Excavation Work Plan (Appendix D).
- Notice within 48-hours of any damage or defect to the foundations structures that reduces or has the potential to reduce the effectiveness of other Engineering Controls and likewise any action to be taken to mitigate the damage or defect.
- Verbal notice by noon of the following day of any emergency, such as a fire, flood, or earthquake that reduces or has the potential to reduce the effectiveness of Engineering Controls in place at the site, with written confirmation within 7 days

that includes a summary of actions taken, or to be taken, and the potential impact to the environment and the public.

- Follow-up status reports on actions taken to respond to any emergency event requiring ongoing responsive action shall be submitted to the NYSDEC within 45 days and shall describe and document actions taken to restore the effectiveness of the ECs.

Any change in the ownership of the Site or the responsibility for implementing this SMP will include the following notifications:

- At least 60 days prior to the change, the NYSDEC will be notified in writing of the proposed change. This will include a certification that the prospective purchaser has been provided with a copy of the BCA and all approved work plans and reports, including this SMP
- Within 15 days after the transfer of all or part of the site, the new owner's name, contact representative, and contact information will be confirmed in writing.

2.5 CONTINGENCY PLAN

Emergencies may include injury to personnel, fire or explosion, environmental release, breach to composite cover system, or serious weather conditions.

2.5.1 Emergency Telephone Numbers

In the event of any environmentally related situation or unplanned occurrence requiring assistance the Owner or Owner's representative(s) should contact the appropriate party from the contact list below. For emergencies, appropriate emergency response personnel should be contacted. Prompt contact should also be made to CA RICH. These emergency contact lists must be maintained in an easily accessible location at the site.

Table 6: Emergency Contact Numbers

Medical, Fire, and Police:	911
One Call Center:	(800) 272-4480 (3 day notice required for utility markout)
Poison Control Center:	(800) 222-1222
Pollution Toxic Chemical Oil Spills:	(800) 424-8802
NYSDEC Spills Hotline	(800) 457-7362

Table 7: Contact Numbers

CA RICH CONSULTANTS, INC.	(516) 576-8844
Via Verde Homes, LLC	(917) 542-3656
Via Verde Rental Associates, L.P.	(212) 243-9090
Remedial Engineer (Stephen J. Osmundsen, P.E.)	(516)-669-1123

* Note: Contact numbers subject to change and should be updated as necessary

2.5.2 Map and Directions to Nearest Health Facility

Site Location: Via Verde

Nearest Hospital Name: Lincoln Hospital

Hospital Location: 234 E. 149th Street

Hospital Telephone: (718) 993-3860

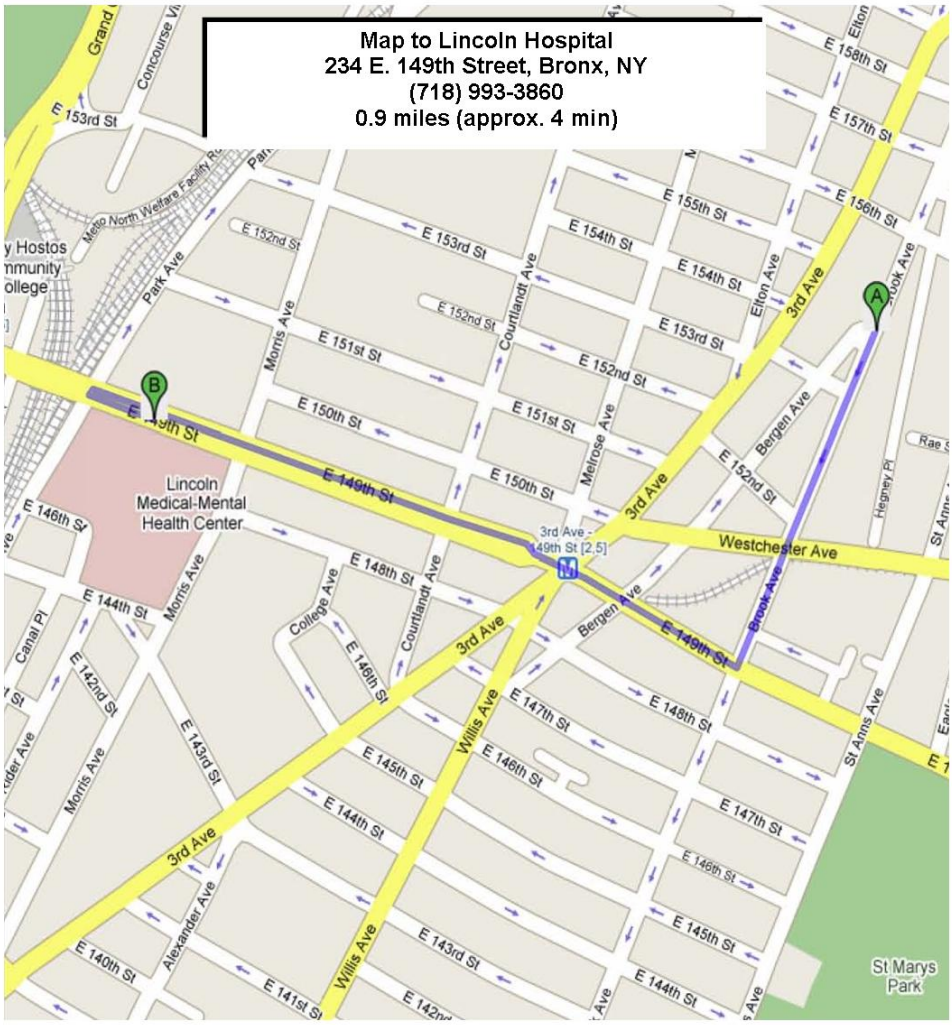
Directions to the Hospital:

1. Head Southwest on Brook Ave (0.3 mi.)
2. Turn Right at E 149th Street (0.6 mi.)
3. U-turn at Park Ave.

Total Distance: 0.9 mi.

Total Estimated Time: 4 min.

Map Showing Route from the Site to the Hospital:



2.5.3 Response Procedures

As appropriate, the fire department and other emergency response group will be notified immediately by telephone of the emergency. The emergency telephone number list is found at the beginning of this Contingency Plan (Table 6). The list will also be posted prominently at the Site and made readily available to all personnel at all times.

2.5.3.1 Procedures for spills

If visual inspection and/or soil screening identify evidence of a petroleum release, either from equipment inside the new building or petroleum encountered during future excavation/construction activities, the owner and Remedial Engineer will be contacted, and all work activities will be halted until further instructions are received from the Remedial Engineer. If the petroleum spill is more than five gallons, as required by law, the fuel spill will be reported to the NYSDEC Spill Hotline (1-800-457-7362).

2.5.3.2 Evacuation plans

- In case of a fire, employees/contractors/residents should activate the nearest fire alarm box and/or make a telephone call to the local Fire Department via 911. The locations of the fire alarm boxes are noted on the evacuation floor plans in the new building.
- It may be necessary to activate additional fire alarm boxes, or shout the alarm, if people are still in the building and the alarm has stopped sounding, or if the alarm does not sound. This can be done while exiting.
- Persons discovering a fire, smoky condition, or explosion should pull the fire alarm box. Any pertinent fire or rescue information should be conveyed to the Fire Department. All emergency telephone numbers are listed in Section 2.5.1.
- When the fire alarm sounds, all personnel should ensure that nearby personnel are aware of the emergency, quickly shutdown operating equipment, close doors and exit the building using stairwells.

- All occupants should exit the building.
- All occupants and workers should know where primary and alternate exits are located, and be familiar with the various evacuation routes available. Floor plans with escape routes, alternate escape routes, and exit locations should be posted in the building.
- Building occupants must NOT use elevators as an escape route in the event of a fire.
- To report all other emergencies and injuries, a call should be placed to 911. State you name, your location, and the nature of the call. Speak slowly and clearly. Wait for the dispatcher to hang up first. On occasion the dispatcher may need additional information or may provide you with additional instructions.
- Small fires can be extinguished only if you are trained to use a fire extinguisher. However, an immediate readiness to evacuate is essential.
- All fires, even those that have been extinguished, must be reported to the property owner immediately.
- Do not enter a room that is smoke filled.
- Do not enter a room if the door is warm to touch.

2.5.3.3 Procedures for Breach of Composite Cover System

The following procedures will be required if breaching of the composite cover system is needed or occurs or is discovered during a monitoring/inspection event in accordance with Sections 3.2 and 4.3.1: It is noted that precautions must be taken to ensure that the SSD piping is not damaged during a planned breach beneath any on-site building. The map of the SSD piping layout (Figure 10) must be consulted prior to disturbance of the slab to ensure the piping remains intact.

- The NYSDEC and NYSDOH will be notified of the request, and approval will need to be granted prior to the planned breach. If an unplanned breach occurs, the above agencies will be notified within 24 hours of the discovery of the occurrence.

- A written plan detailing the proposed repair or replacement activities will be submitted for review. A Site Plan indicating the area of the breach will be included in the plan.
- Once approval is received, the NYSDEC and NYSDOH will be notified at least 5 days prior to plan implementation to afford the ability to be on-Site during the repair/replacement activities.
- If a breach should occur, grout injection will be performed, where applicable, to eliminate water infiltration, fill voids, and repair any cracks of the vapor barrier. The basic steps for this type of crack repair are:

  1. Clean the area to be injected; remove any delaminated concrete, dust, dirt, etc. in and around the crack;
  2. Drill holes for injection packers at an angle to intersect the crack; the spacing for the holes is determined by a NYS-licensed P.E. based on the size and severity of the crack(s);
  3. Install and tighten packers;
  4. Flush crack with water; in the event that there is water seeping through the crack, this step shall not be necessary;
  5. Inject the chemical grout beginning at the bottom; continue along the crack from one end to the other; and,
  6. Remove the injection packers, patch the holes, remove any excess surface grout and clean the equipment.

- If a breach of an area greater than 12 inches in diameter is requested, the concrete foundation in the area will be saw cut, removed, and disposed of properly as construction and demolition debris. The concrete area to be saw cut will be greater than the area of vapor barrier to be breached. Upon completion of the subsurface activities, the vapor barrier will be installed according to the manufacturer's product specifications with the vapor barrier overlapping the original barrier appropriately. The ends of the barrier will be sealed as per the manufacturer's product specifications to ensure a vapor proof seal.. It is noted that special care must be employed to protect the sub-slab SSD piping during planned breaches. The map of the piping layout (Figure 10) must be consulted to avoid digging in pipe locations.

- As all soil was removed above the level of the vapor barrier, there will not be any soil to be removed or managed due to a breach. All soil remaining below the vapor barrier was within acceptable guidelines and limits.
- All repairs to Composite Cover System breaches must be inspected and certified by a Professional Engineer licensed in NY State.

3.0 SITE MONITORING PLAN

3.1 INTRODUCTION

3.1.1 General

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the soil cover system, and all affected Site media identified below. Monitoring of other Engineering Controls is described in Chapter 4, Operation, Monitoring and Maintenance Plan. This Monitoring Plan may only be revised with the approval of NYSDEC.

3.1.2 Purpose and Schedule

This Monitoring Plan describes the methods to be used for:

- Sampling and analysis of all appropriate media (e.g., groundwater, indoor air, soil vapor, soils);
- Assessing compliance with applicable NYSDEC standards, criteria and guidance, particularly ambient groundwater standards and Part 375 SCOs for soil;
- Assessing achievement of the remedial performance criteria.
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment; and
- Preparing the necessary reports for the various monitoring activities.

To adequately address these issues, this Monitoring Plan provides information on:

- Sampling locations, protocol, and frequency;
- Information on all designed monitoring systems (e.g., well logs);
- Analytical sampling program requirements;

- Reporting requirements;
- Quality Assurance/Quality Control (QA/QC) requirements;
- Inspection and maintenance requirements for monitoring wells;
- Monitoring well decommissioning procedures; and
- Annual inspection and periodic certification.

Quarterly monitoring of the performance of the remedy and overall reduction in contamination on-Site will be conducted for the two years. The frequency thereafter will be determined by NYSDEC. Trends in contaminant levels in air, soil, and/or groundwater in the affected areas, will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. Monitoring programs are summarized in Table 12 and outlined in detail in Sections 3.2 and 3.3 below.

Table 8: Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Event	Matrix	Analysis	Termination Criteria
Groundwater Monitoring and Sampling	Quarterly for two years. Frequency after second year will be proposed in second Periodic Review Report	Monitoring and Sampling	Groundwater	VOCs(8260) SVOCs(8270) PCBs and dissolved TAL metals plus Cr^{+6}	See Section 2.2.2.4
Composite Cover System	Annual. First inspection no more than 18 months after COC	Inspection	Visual	None	See Section 2.2.2.1
SSDS Operations, Maintenance & Monitoring	Inspections: Monthly (1^{st} qtr.) quarterly (1^{st} year), and then annually Monitoring: once upon startup and once upon each subsequent re-start	Operations and Maintenance	Sub-slab vacuum & PID	None	See Section 2.2.2.2

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH

3.2 COMPOSITE COVER SYSTEM MONITORING

Exposure to residual contaminated soils is being prevented by an engineered, composite cover system that was built on the Site. The composite cover system is shown on Figure 16. The vapor barrier specifications are enclosed as Appendix B.

The composite cover system will remain intact 24-hours a day, seven days a week, for 365 days a year. Breaching of the concrete sidewalks, foundation walls and slabs or vapor barrier is prohibited by the Environmental Easement. In the unlikely event of an unanticipated accidental or requested breach, the procedure for response to breach of the composite cover system is outlined in Section 2.5.3.3.

Monitoring of the composite cover system will occur on an annual basis as long as the Environmental Easement is in effect to ensure the system's integrity. Monitoring will consist of inspection and certification by a NYS-licensed P.E. which shall evaluate the structural integrity of the concrete floor, support columns into the floor and the wall joints. If any cracks or openings are identified, they shall be screened for organic vapors with a field PID and any readings shall be noted. In addition, any cracks or openings in the floor shall then be sealed. The results of the inspection will be included in the Periodic Review Report. In addition, the composite cover system must be inspected and certified any time a breach in the system occurs. The inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the composite cover system has been reported or an emergency occurs that is deemed likely to affect the operation of the system.

3.3 MEDIA MONITORING PROGRAM

3.3.1 Groundwater Monitoring

Groundwater monitoring will be performed on a periodic basis to assess the performance of the remedy. The network of monitoring wells has been installed to monitor both up-gradient and down-gradient groundwater conditions at the Site. The network of on-Site and off-Site wells has been designed based on the results of the RI.

MW-6, MW-7, MW-8, & MW-9 were installed at the Site in July 2011 and will serve as the groundwater monitoring wells for the post-remedial groundwater monitoring (see Figure 12 for well locations). Monitoring well construction logs are included in Appendix F. Groundwater samples will be collected from the wells, submitted to an Environmental Laboratory Approval Program (ELAP) and Contract Laboratory Protocol (CLP) Certified Laboratory, and analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, PCBs and dissolved TAL metals (plus hexavalent chromium) with NYSDEC ASP Category B deliverables. Additional ISCO parameters including dissolved oxygen (DO) and oxidation/reduction potential (ORP) will be monitored in the field during sampling.

The four wells will be sampled on a quarterly basis for two years. Following two years, the monitoring will continue, as determined by NYSDOH and NYSDEC, until residual groundwater concentrations are found to be below NYSDEC standards or have become asymptotic over an extended period. The monitoring frequency after the second year will be specified in the second Periodic Review Report for approval by NYSDEC. QA/QC samples will be collected and analyzed in connection with the testing as set forth in the Quality Assurance Project Plan (QAPP) (Appendix G) and will include one trip blank, one field blank per day of field work, one duplicate, one matrix spike, and one matrix spike duplicate. In addition, the data will be validated by a qualified third-party and a Data Usability Summary Report (DUSR) will be prepared and submitted with each PRR.

The sampling frequency may be modified with the approval of NYSDEC. The SMP will be modified to reflect changes in sampling plans approved by NYSDEC.

Deliverables for the groundwater monitoring program are specified below.

3.3.1.1 Sampling Protocol

All monitoring well sampling activities will be recorded in a field book and on a well sampling log (see Appendix H). Other observations (e.g., well integrity, etc.) will be noted on the well sampling log. The well sampling log will serve as the inspection form for the groundwater monitoring well network.

First, depth-to-water and depth-to-bottom measurements will be collected from the monitoring wells. Purging /sampling will be performed in accordance with EPA's Low-Flow (minimal drawdown) Groundwater Sampling Procedures. Purging and sampling will be performed using a low-flow sampling pump at a pumping rate no greater than 0.5 liters per min (LPM). Water levels within the well will be monitored using an electronic water level indicator and a pumping rate will be maintained to limit drawdown to less than 0.33 feet if possible. In-line water quality field parameters will be measured at a frequency no less than every 5 minutes. Purging will continue until the readings of pH, temperature, conductivity, ORP, and DO have stabilized (i.e. three successive readings within approximately 0.1 for pH, 3% for conductivity, 10mv for ORP, and 10% for DO). Purge water will be contained in 55-gallon drums and disposed of in accordance with applicable regulations.

After purging is complete, a sample of the groundwater will be collected at the established low-flow pumping rate directly from the pump discharge into laboratory-issued containers by a QEP. The samples will be placed in a cooler on ice and sent to an ELAP and CLP certified laboratory via overnight delivery for analysis as specified in Section 3.3.1, above. The following samples will also be collected for QA/QC purposes: trip blank, field blank, duplicate sample, matrix spike, and matrix spike duplicate.

A qualified third-party Data Validator will review the groundwater laboratory data and prepare a DUSR.

3.3.1.1.1 Sampling QA/QC

All on-Site sampling equipment will be decontaminated between each use in the following manner: laboratory grade detergent and fresh water wash using scrub brush, followed by two fresh water rinses and final air dry. The submersible pump used for groundwater sample collection will be decontaminated between sample collection by passing the detergent and water mixture through the pump, followed by two fresh water rinses. Gloves worn for sample handling will be discarded between sample collections. Dedicated, new polyethylene tubing will be used at each well location for purging and sampling. Samples will be packaged in 40-mil vials supplied by the laboratory by QEPs and stored on ice pending same day or overnight shipment to a NYS-certified laboratory. The vials will be filled completely and checked to ensure no air bubbles are present. Additional field and laboratory QA/QC protocol is included in the QAPP (Appendix G).

3.3.1.2 Monitoring Well Repairs, Replacement And Decommissioning

If biofouling or silt accumulation occurs in the on-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced (as per the Monitoring Plan), if an event renders the wells unusable. Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

NYSDEC will be notified prior to any repair or decommissioning of monitoring wells for the purpose of replacement, and the repair or decommissioning and replacement process will be documented in the subsequent periodic report. Well decommissioning without replacement will be done only with the prior approval of NYSDEC. Well abandonment will be performed in accordance with NYSDEC's "Groundwater Monitoring Well Decommissioning Procedures." Monitoring wells that are decommissioned because they have been rendered unusable will be reinstalled in the nearest available location, unless otherwise approved by the NYSDEC.

3.3.2 SSD System Monitoring

The SSD System will be monitored at the frequency set forth in Table 8. Monitoring will include recording of vacuum readings from the Magnahelic® gauges mounted at each riser pipe location to confirm that sub-slab vacuum is being maintained. Each of the on-site buildings is equipped with two risers and fans attached to the sub-slab SSD piping. During system testing, one of the fans on each building will be shut off and vacuum readings will be taken from the riser with the inoperable fan to ensure communication of vacuum beneath the slab from the other (operating) fan. In addition, PID readings will be taken from each riser sampling port.

3.4 SITE-WIDE INSPECTION

Site-wide inspections will be performed on a regular schedule at a minimum of once a year. Site-wide inspections will also be performed after all severe weather conditions that may affect ECs or monitoring devices. During these inspections, an inspection form will be completed (Appendix H). The form will compile sufficient information to assess the following:

- Compliance with all ICs, including Site usage;
- An evaluation of the condition and continued effectiveness of ECs;
- General Site conditions at the time of the inspection;
- The Site management activities being conducted including, where appropriate, confirmation sampling and a health and safety inspection;
- Compliance with permits and schedules included in the Operation and Maintenance Plan; and,
- Confirm that Site records are up to date.

3.5 MONITORING QUALITY ASSURANCE/QUALITY CONTROL

All sampling and analyses will be performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) prepared for the Site (Appendix G). Main Components of the QAPP include:

- QA/QC Objectives for Data Measurement;
- Sampling Program:
    - Sample containers will be properly washed, decontaminated, and appropriate preservative will be added (if applicable) prior to their use by the analytical laboratory. Containers with preservative will be tagged as such.
    - Sample holding times will be in accordance with the NYSDEC ASP requirements.
    - Field QC samples (e.g., trip blanks, coded field duplicates, and matrix spike/matrix spike duplicates) will be collected as necessary.

- Sample Tracking and Custody;
- Calibration Procedures:
    - All field analytical equipment will be calibrated immediately prior to each day's use. Calibration procedures will conform to manufacturer's standard instructions.
    - The laboratory will follow all calibration procedures and schedules as specified in USEPA SW-846 and subsequent updates that apply to the instruments used for the analytical methods.
- Analytical Procedures;
- Preparation of a Data Usability Summary Report (DUSR), which will present the results of data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.
- Internal QC and Checks;
- QA Performance and System Audits;
- Preventative Maintenance Procedures and Schedules;
- Corrective Action Measures.

3.6 MONITORING REPORTING REQUIREMENTS

Forms and any other information generated during regular monitoring events and inspections will be kept on file on-Site. All forms, and other relevant reporting formats used during the monitoring/inspection events, will be (1) subject to approval by NYSDEC and (2) submitted at the time of the Periodic Review Report, as specified in the Reporting Plan of this SMP.

All monitoring results will be reported to NYSDEC on a periodic basis in the Periodic Review Report in accordance with Section 5.3 of this SMP. A letter report will also be prepared, subsequent to each sampling event. The report (or letter) will include, at a minimum:

- Date of event;
- Personnel conducting sampling;
- Description of the activities performed;
- Type of samples collected (e.g., sub-slab vapor, indoor air, outdoor air, etc);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;
- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled (o be submitted electronically in the NYSDEC-identified format);
- Any observations, conclusions, or recommendations; and
- A determination as to whether groundwater conditions have changed since the last reporting event.

  Data will be reported in hard copy or digital format as determined by NYSDEC.

A summary of the monitoring program deliverables are summarized in Table 9 below.

Table 9: Schedule of Monitoring/Inspection Reports

Task	Reporting Frequency*
Groundwater Monitoring Report	Quarterly for the first eight quarters. Frequency thereafter will be proposed in the second Periodic Review Report.
Periodic Review Report	Annually beginning 18 months after receipt of COC until termination of Environmental Easement or termination of requirement by NYSDEC

* The frequency of events will be conducted as specified until otherwise approved by NYSDEC

4.0 OPERATION AND MAINTENANCE PLAN

4.1 INTRODUCTION

This Operation and Maintenance Plan describes the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the Site. This Operation and Maintenance Plan:

- Includes the steps necessary to allow individuals unfamiliar with the Site to operate and maintain the SSD system;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in Site conditions or the manner in which the SSD system is operated and maintained.

Information on non-mechanical Engineering Controls (i.e. soil cover system) is provided in Section 3 - Engineering and Institutional Control Plan. A copy of this Operation and Maintenance Plan, along with the complete SMP, will be kept at the Site and will be located in the on-Site maintenance room and/or the building management's office. This Operation and Maintenance Plan is not to be used as a stand-alone document, but as a component document of the SMP.

4.2 ENGINEERING CONTROL SYSTEM OPERATION AND MAINTENANCE

4.2.1 Sub-Slab Depressurization System

4.2.1.1 Scope

As an additional measure to prevent vapor-phase VOCs remaining in groundwater and/or soil/fill from entering the new building's interior, installation of an active SSD system was included in the construction of the new buildings' foundation. The sub-slab piping for the SSD system was installed in August and September 2010.

The SSD system maintains a negative pressure underneath the slab while allowing the vapors below the concrete slab to vent without intruding into the building. The SSD system consists of horizontal trenches with four-inch perforated PVC pipe, a filter sock, and gravel. The horizontal pipes are connected to vertical risers that extend above the roof of the building. A Magnehelic® gauge was retrofitted to each of the riser pipes above the slab to facilitate collection of vacuum readings. These gauges also serve as warning devices or indicators to ensure that this active system is working properly. Sample ports were also installed in each of the riser pipes to allow for the collection of sub-slab vapor samples, if needed. In addition, labels were affixed to each riser immediately below the sample ports indicating the following:

SUB-SLAB DEPRESSURIZATION SYSTEM
This is a component of a Sub-Slab Depressurization System
DO NOT ALTER OR DISCONNECT
For Service call: CA RICH Consultants, Inc. 516-576-8844

The SSD fans are Fantech Model number HP-220 fans. As-built drawings for the SSD system are illustrated on Figure 10. The Typical Vent and Roof Detail is illustrated on Figures 11, 11a & 11b.

The SSD system will be operated 24 hours per day except during maintenance until the termination criteria have been satisfied. The termination criteria are outlined in Section 2.2.2.2.

4.2.1.2 System Start-Up and Testing

Once the new building construction is completed, the SSD system will be turned on and a start-up test will be conducted to confirm that the SSD system is working. Once the system is balanced, a vacuum range of 0.5 to 1.5 inches is anticipated. First, real time instrumentation readings of total VOCs in incoming sub-slab soil vapor (influent gas)

will be obtained using a MiniRae PID and a Lower Explosive Limit (LEL) meter from each of the risers. In addition, real time instrumentation readings of total VOCs in the exhaust (effluent gas) will be obtained. Next, vacuum readings will be obtained from the magnehelic gauges attached to the risers. Each of the on-site buildings is equipped with two risers and fans attached to the sub-slab SSD piping. During system testing, one of the fans on each building will be shut off and vacuum readings will be taken from the riser with the inoperable fan to ensure communication of vacuum beneath the slab from the other (operating) fan. These readings will be reported in the first PRR.

The system testing described above will be conducted if, in the course of the SSD system lifetime, significant changes are made to the system, and the system must be restarted.

4.2.1.3 System Operation: Routine Operation Procedures

The SSD system will be monitored on an annual basis by a QEP or Professional Engineer. Monitoring of the SSD system will consist of a visual inspection of the complete system including checking to confirm that the SSD fan is operating properly, observing all Magnehelic® gauges to confirm there is vacuum, identification and repair of leaks (if any), and obtaining a PID reading of the fan discharge effluent. In addition, the building floor will be inspected for wear-related cracks or pitting and repaired as needed. The SSD system will not be discontinued without written approval by NYSDEC and NYSDOH. A proposal to discontinue the active SSD system will be submitted by the property owner based on confirmatory data that justifies such request. Systems will remain in place and operational until permission to discontinue use is granted in writing by NYSDEC and NYSDOH.

4.2.1.4 System Operation: Routine Equipment Maintenance

Operations and maintenance procedures that apply to the Fantech® Model Number HP220 fan includes a physical inspection of the fan to confirm that air is being discharged and that the fan is operating. No other maintenance is recommended by the manufacturer. Operations and maintenance procedures that apply to the Dwyer Magnehelic® Differential Pressure Gauges include keeping the case exterior and cover clean and occasionally disconnecting the pressure lines to vent both sides of the gauge to atmosphere and re-zero. The Fantech® Model Number HP220 fan and Dwyer Magnehelic® Differential Pressure Gauges owner's manuals are enclosed as Appendix I along with a trouble-shooting guide. Maintenance will be performed during each inspection/monitoring event as shown in the schedule on Table 8.

4.2.1.5 System Operation: Non-Routine Equipment Maintenance

Any non-routine equipment maintenance should be performed in accordance with the equipment's owner's manual. The fans and gauges should be replaced if they are

observed to be inoperable during routine inspections. Routine inspection of the Magnehelic® gauges will serve as a warning indicator to ensure that the system is functioning properly. In addition, an electronic alarm or warning light will be installed to notify building maintenance personnel if the system is not functioning. It is noted that the design of the system provides for two roof-mounted fans per building piping network and, as such, includes redundancy should one of the two fans become inoperative. A trouble-shooting guide for the SSD system is included in Appendix I.

4.2.2 In-situ Chemical Oxidation

4.2.2.1 Scope

Based upon the detection and distribution of groundwater contaminants, groundwater treatment including ISCO and natural attenuation was performed in the area of the former service station (northwest corner of the Site). Regenox™ and ORC® Advanced (ISCO treatment) was injected into the shallow groundwater (approximately 22 feet below sidewalk grade) and soil/fill in the smear zone (approximately 17-21 feet below sidewalk grade). The objective of this injection was to enhance the natural attenuation of the residual organic chemicals within the shallow groundwater underlying the Site. The location of the injections is illustrated on Figure 14.

This treatment constituted a one-time injection via temporary injection points utilizing direct-push drilling. As such, no system operation or maintenance is required. However, should concentrations of targeted compounds/constituents increase by an order of magnitude over the baseline data or should the concentrations fail to decrease sufficiently during the post remedial monitoring period, a second round of injections will be performed. System monitoring will include quarterly groundwater monitoring utilizing four newly-installed (Summer 2011) monitoring wells. Procedures for the maintenance of the monitoring well network and the quarterly monitoring are outlined in the Monitoring Plan (Section 3 of this SMP).

4.2.2.2 System Start-Up and Testing

As the in-situ-chemical oxidation is not a mechanical system, no start-up testing was required.

4.2.2.3 System Operation: Routine Operation Procedures

As the in-situ-chemical oxidation is not a mechanical system, there are no routine operating procedure requirements**.**

4.2.2.4 System Operation: Routine Equipment Maintenance

As there are no mechanical components of the in-situ-chemical oxidation – periodic maintenance is not warranted.

4.2.2.5 System Operation: Non-Routine Equipment Maintenance

As the in-situ-chemical oxidation is not a mechanical system, there are no equipment maintenance requirements. However, should concentrations of targeted compounds/constituents increase by an order of magnitude over the baseline data or should the concentrations fail to decrease sufficiently during the post remedial monitoring period, a second round of injections will be performed. No additional injections are currently planned. However, it is anticipated that if a second round of injections was necessary, the injections would be performed along the northern boundary of the former service station area (northeastern corner of Site along 156th Street). The exact locations, concentrations and number of injections (if necessary) will be determined based upon manufacturers recommendations in response to the contaminant concentrations measured.

4.3 ENGINEERING CONTROL SYSTEM PERFORMANCE MONITORING

4.3.1 SSD System Monitoring

A sub-slab depressurization system has been installed to mitigate possible soil vapor intrusion into occupied buildings.

4.3.1.1 Monitoring Schedule

The operations and maintenance schedule for the SSD system has been established and is included in Table 8. The inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the SSD system has been reported or an emergency occurs that is deemed likely to affect the operation of the system. Monitoring deliverables for the SSD system are specified in Sections 4.4, 5.1 and 5.3 of this Plan.

4.3.1.2 General Equipment Monitoring

A visual inspection of the complete system will be conducted during the monitoring event. SSD system components to be monitored include, but are not limited to, the following: Fantech® fan, Magnehelic® gauges, and general system piping. A complete list of components to be checked is provided in the Inspection Checklist, presented in Appendix H. If any equipment readings are not within their typical range, any equipment is observed to be malfunctioning, or the system is not performing within specifications, maintenance and repair as per the Operation and Maintenance Plan are required immediately, and the SSD system restarted. Operational problems will be noted in the subsequent PRR.

4.3.2 In-Situ Chemical Oxidation Monitoring

Based upon the detection and distribution of groundwater contaminants, groundwater treatment including in-situ chemical oxidation and natural attenuation was performed in the area of the former service station (northwest corner of the Site). In-Situ Chemical Oxidation activities were completed from April 1 to 9, 2010. Regenox™ and ORC® Advanced (ISCO treatment) was injected into the shallow groundwater (approximately 22 feet below sidewalk grade) and soil/fill in the smear zone (approximately 17-21 feet below sidewalk grade). The objective of this injection was to enhance the natural attenuation of the residual organic chemicals within the shallow groundwater underlying the Site.

System monitoring will include collection and analysis of groundwater samples from the newly-installed network of four groundwater monitoring wells. The location of the wells is illustrated on Figure 12 and well construction details and boring logs are included in Appendix F.

4.3.2.1 Monitoring Schedule

System monitoring will include quarterly groundwater monitoring for the two years. Following the second year of quarterly monitoring, future monitoring frequency will be submitted for approval in the second Periodic Review Report. Depending upon the results of post remedial monitoring, a second round of injections may be performed. The inspection frequency is subject to change with the approval of the NYSDEC. Unscheduled inspections and/or sampling may take place when a suspected failure of the monitoring well network has been reported. Monitoring deliverables for the monitoring well network are specified in Sections 4.4 , 5.1 and 5.3 of this Plan.

4.3.2.2 General Equipment Monitoring

A visual inspection of the monitoring well network will be conducted during each monitoring event. Procedures for the maintenance of the monitoring well network and the quarterly monitoring are outlined in the Monitoring Plan (Section 3 of this SMP).

4.3.2.3 Sampling Event Protocol

Prior to sampling, a depth-to-water and depth to bottom measurements will be taken and recorded using a clean electronic water-level measurement device. . Purging /sampling will be performed in accordance with EPA's Low-Flow (minimal drawdown) Groundwater Sampling Procedures. Purging and sampling will be performed using a low-flow sampling pump at a pumping rate no greater than 0.5 liters per min (LPM). Water levels within the well will be monitored using an electronic water level indicator and a pumping rate will be maintained to limit drawdown to less than 0.33 feet if possible. In-line water quality field parameters will be measured at a frequency no less than every 5 minutes. Purging will continue until the readings of pH, temperature, conductivity, ORP, and DO have stabilized (i.e. three successive readings within approximately 0.1 for pH, 3% for conductivity, 10mv for ORP, and 10% for DO). Purge water will be contained in 55-gallon drums and disposed of in accordance with applicable regulations.

After purging is complete, a sample of the groundwater will be collected at the established low-flow pumping rate directly from the pump discharge into laboratory-issued containers by a QEP. The samples will be placed in a cooler on ice and sent to an ELAP and CLP certified laboratory via overnight delivery for analysis as specified in Section 3.3.1, above. The following samples will also be collected for QA/QC purposes: trip blank, field blank, duplicate sample, matrix spike, and matrix spike duplicate.

A qualified third-party Data Validator will review the groundwater laboratory data and prepare a DUSR.

4.4 MAINTENANCE AND PERFORMANCE MONITORING REPORTING REQUIREMENTS

Maintenance reports and any other information generated during regular operations at the Site will be kept on-file on-Site. All reports, forms, and other relevant information generated will be available upon request to the NYSDEC and submitted as part of the Periodic Review Report, as specified in the Section 5 of this SMP.

4.4.1 Routine Maintenance Reports

Checklists or forms (see Appendix H) will be completed during each routine maintenance event. Checklists/forms will include, but not be limited to the following information:

- Date;
- Name, company, and position of person(s) conducting maintenance activities;
- Maintenance activities conducted;
- Any modifications to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents noted (included either on the checklist/form or on an attached sheet); and,
- Other documentation such as copies of invoices for maintenance work, receipts for replacement equipment, etc., (attached to the checklist/form).

4.4.2 Non-Routine Maintenance Reports

During each non-routine maintenance event, a form will be completed which will include, but not be limited to, the following information:

- Date;
- Name, company, and position of person(s) conducting non-routine maintenance/repair activities;

- Presence of leaks;
- Date of leak repair;
- Other repairs or adjustments made to the system;
- Where appropriate, color photographs or sketches showing the approximate location of any problems or incidents (included either on the form or on an attached sheet); and,
- Other documentation such as copies of invoices for repair work, receipts for replacement equipment, etc. (attached to the checklist/form).

5.0 INSPECTIONS, REPORTING AND CERTIFICATIONS

5.1 SITE INSPECTIONS

5.1.1 Inspection Frequency

All inspections will be conducted at the frequency specified in the schedules provided in Section 3 Monitoring Plan and Section 4 Operation and Maintenance Plan of this SMP. At a minimum, a Site-wide inspection will be conducted annually. Inspections of remedial components will also be conducted when a breakdown of any treatment system component has occurred or whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs.

5.1.2 Inspection Forms, Sampling Data, and Maintenance Reports

All inspections and monitoring events will be recorded on the appropriate forms for their respective system which are contained in Appendix H. Additionally, a general Site-wide inspection form will be completed during the Site-wide inspection (see Appendix H). These forms are subject to NYSDEC revision. All applicable inspection forms and other records, including all media sampling data and system maintenance reports, generated for

the Site during the reporting period will be provided in electronic format in the Periodic Review Report.

5.1.3 Evaluation of Records and Reporting

The results of the inspection and Site monitoring data will be evaluated as part of the EC/IC certification to confirm that the:

- EC/ICs are in place, are performing properly, and remain effective;
- The Monitoring Plan is being implemented;
- Operation and maintenance activities are being conducted properly; and, based on the above items,
- The Site remedy continues to be protective of public health and the environment and is performing as designed in the RAWP and FER.

5.2 CERTIFICATION OF ENGINEERING AND INSTITUTIONAL CONTROLS

After the last inspection of the reporting period, a Professional Engineer licensed to practice in New York State will prepare the following certification:
For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this Site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site management plan for this control;

- Access to the Site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- If a financial assurance mechanism is required under the oversight document for the Site, the mechanism remains valid and sufficient for the intended purpose under the document;
- Use of the Site is compliant with the environmental easement;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices; and
- The information presented in this report is accurate and complete.
- I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, [name], of [business address], am certifying as [Owner or Owner's Designated Site Representative] [I have been authorized and designated by all Site owners to sign this certification] for the Site.

- No new information has come to my attention, including groundwater monitoring data from wells located at the site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-site contamination are no longer valid; and

Every five years the following certification will be added:

- The assumptions made in the qualitative exposure assessment remain valid.

The signed certification will be included in the Periodic Review Report described below.

5.3 PERIODIC REVIEW REPORT

A Periodic Review Report will be submitted to the Department every year, beginning eighteen months after the Certificate of Completion is issued. In the event that the site is subdivided into separate parcels with different ownership, a single Periodic Review Report will be prepared that addresses the site described in Appendix A (Metes and Bounds). The report will be prepared in accordance with NYSDEC DER-10 and submitted within 45 days of the end of each certification period. Media sampling results will also incorporated into the Periodic Review Report. The report will include:

- Identification, assessment and certification of all ECs/ICs required by the remedy for the Site;
- Results of the required annual Site inspections and severe condition inspections, if applicable;
- All applicable inspection forms and other records generated for the Site during the reporting period in electronic format;
- A summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- Data summary tables and graphical representations of contaminants of concern by media (groundwater, soil vapor), which include a listing of all compounds analyzed, along with the applicable standards, with all exceedances highlighted. These will include a presentation of past data as part of an evaluation of contaminant concentration trends;
- Results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format;
- A Site evaluation, which includes the following:
    - The compliance of the remedy with the requirements of the Site-specific RAWP, ROD or Decision Document;
    - The operation and the effectiveness of all treatment units, etc., including identification of any needed repairs or modifications;

- Any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
- Recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and
- The overall performance and effectiveness of the remedy.

The Periodic Review Report will be submitted, in hard-copy format, to the NYSDEC Central Office and Regional Office in which the Site is located, and in electronic format to NYSDEC Central Office, Regional Office and the NYSDOH Bureau of Environmental Exposure Investigation.

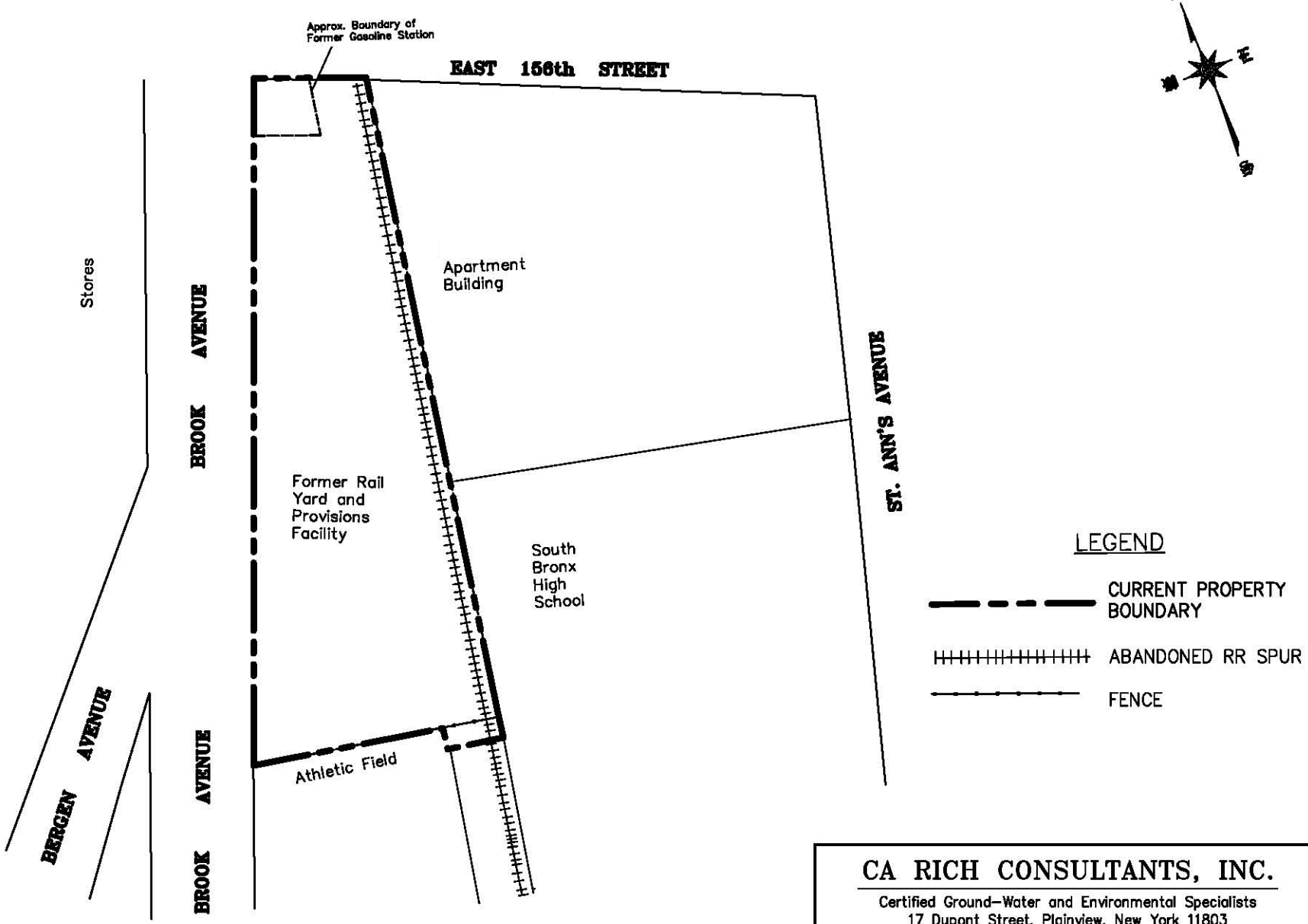
5.4 CORRECTIVE MEASURES PLAN

If any component of the remedy is found to have failed, or if the periodic certification cannot be provided due to the failure of an institutional or engineering control, a corrective measures plan will be submitted to the NYSDEC for approval. This plan will explain the failure and provide the details and schedule for performing work necessary to correct the failure. Unless an emergency condition exists, no work will be performed pursuant to the corrective measures plan until it is approved by the NYSDEC.

6.0 REFERENCES

1. Earth Tech, Inc. Phase I Environmental Site Assessment. New York: December 2004.
2. URS Corporation. Site Characterization and Data Summary Report. New York: September 2006.
3. CA RICH. Supplemental Site Investigation Work Plan. New York: April 2007.
4. NYSDEC. Technical And Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels. New York, January 24, 1994.
5. Baskerville, Charles A. Geology of the New York Metropolitan Area, Field Trip Guidebook T361, July 20-25, 1989. New York, 28th International Geologic Congress, July 1989.
6. NYSDEC. 6 NYCRR Part 375 Environmental Remediation Programs, Environmental Remediation Programs, Subparts 375-1 to 375- 4 & 375-6. New York: December 2006.
7. NYSDEC TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations, June 1998.

FIGURES



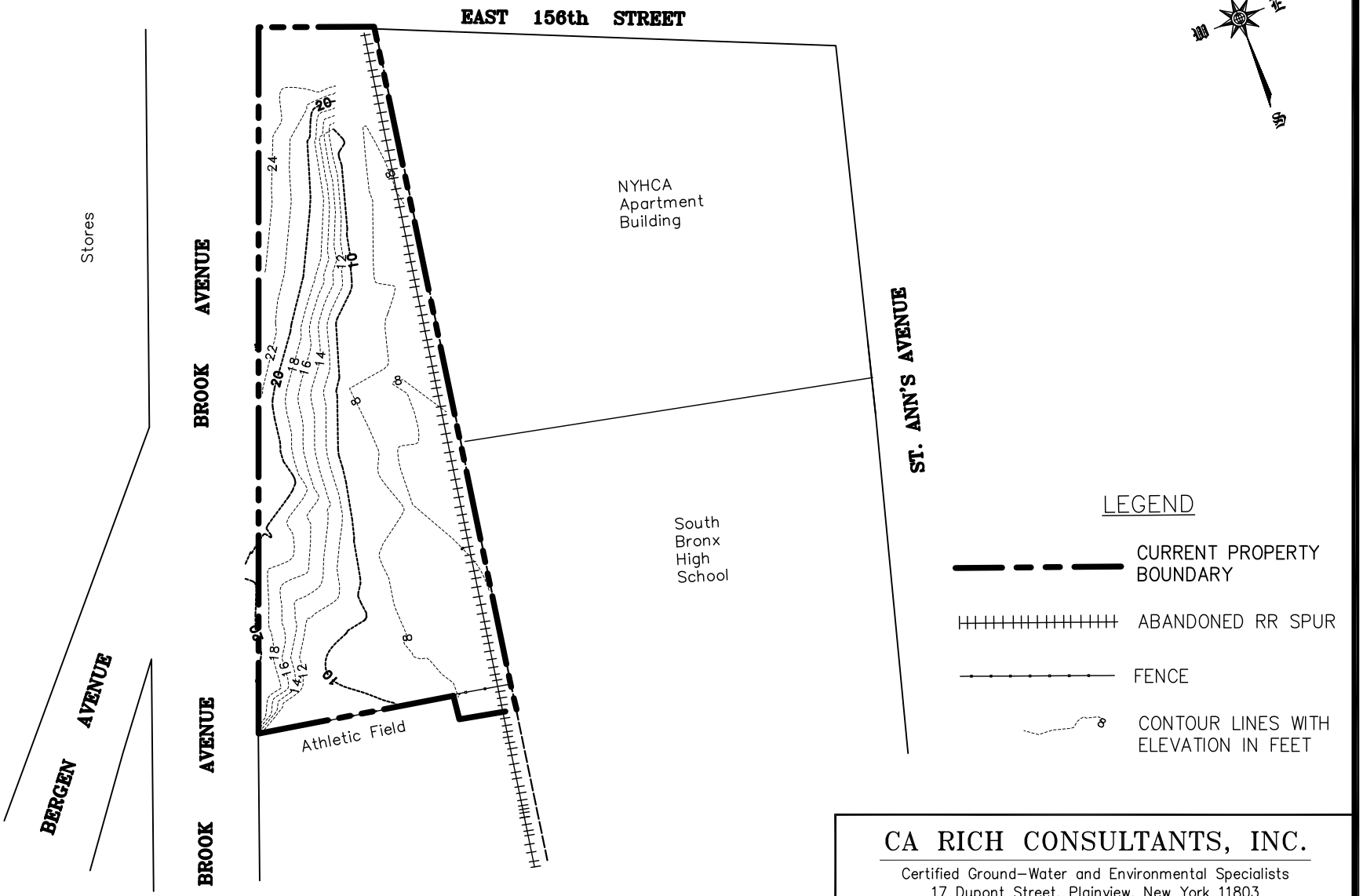
NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8-17-06 AND MONTROSE SURVEY DATED 10-8-07

CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

SITE PLAN

DATE: 12-24-09
SCALE: AS SHOWN
FIGURE: 1
DRAWING NO: 2009-8
TITLE: VIA VERDE NEW HOUSING NEW YORK LEGACY 700-730 BROOK AVENUE BRONX, NEW YORK
DRAWN BY: J.T.C.
APPR. BY: D.S.



0 100 200 300

SCALE IN FEET

NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8-17-06 AND MONTROSE SURVEY DATED 10-8-07

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

SITE ELEVATION MAP

DATE: 3-2-09

SCALE: AS SHOWN

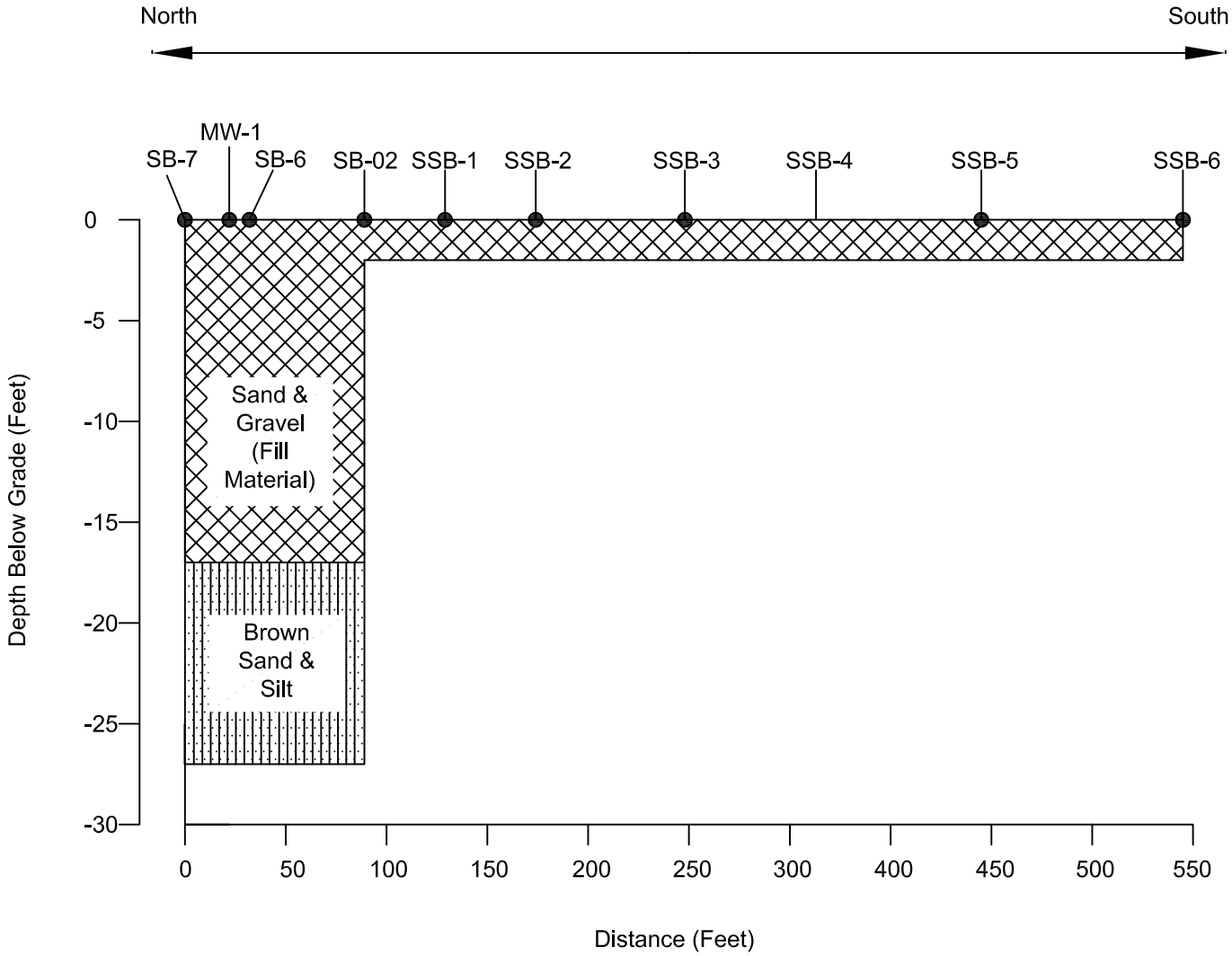
FIGURE: 2

TITLE: VIA VERDE
NEW HOUSING NEW YORK LEGACY
700-730 BROOK AVENUE
BRONX, NEW YORK

DRAWN BY: D.S.

DRAWING NO: SP w/Elev.

APPR. BY: R.J.I.



LEGEND

- Fill Material
- Sand
- Silt

0 50'

0

5'

10 x Vertical Exageration

Note:

Geologic section data obtained from CA Rich and URS Reports (2009 & 2007).

According to Pillori Associates Geothechnical Borings (2007) the depth to bedrock ranges from 23 to 40 feet below grade (depending on elevation of sloping sidewalk).

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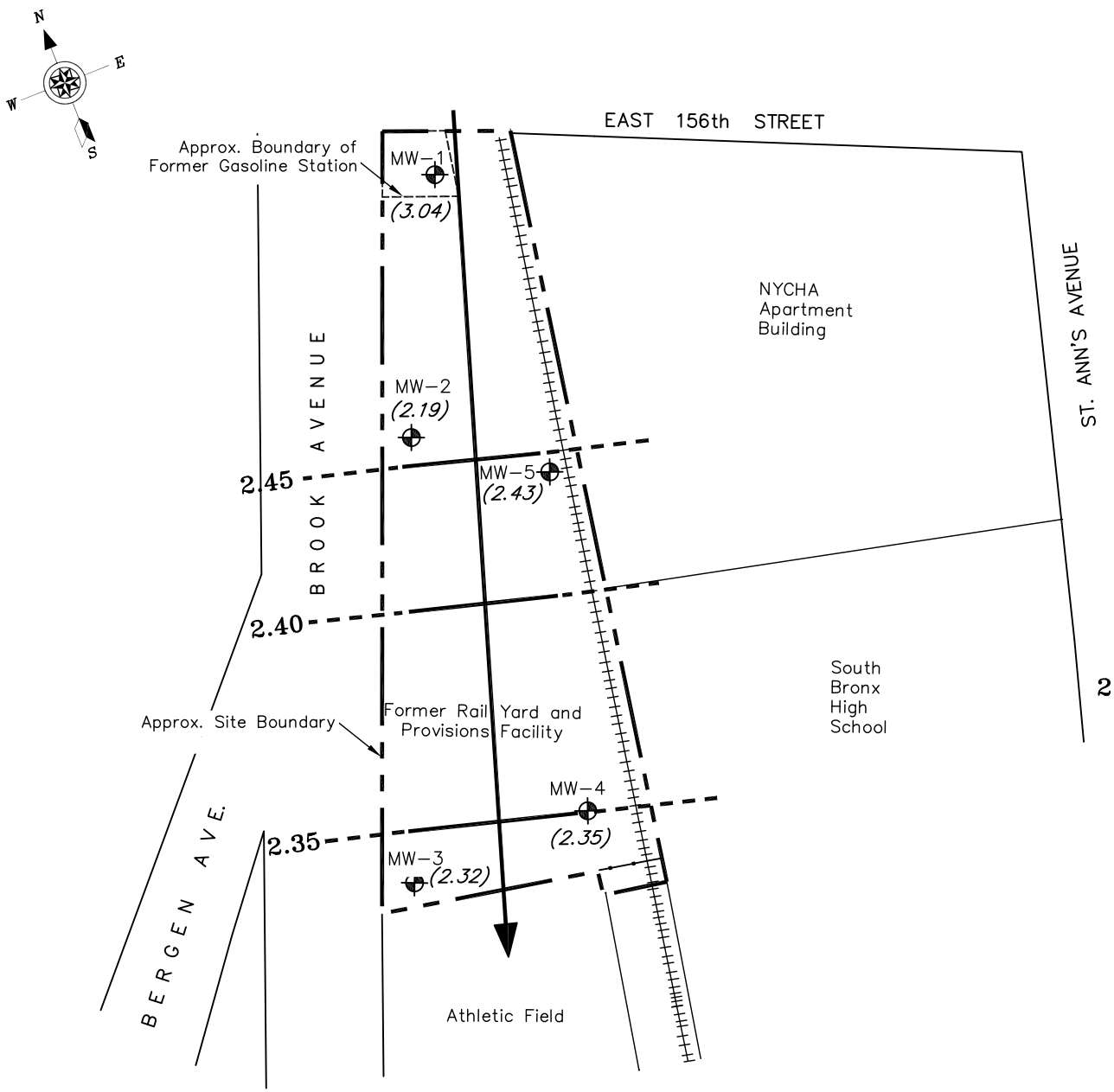
17 Dupont Street, Plainview, New York 11803

TITLE: Geologic Cross-Section		DATE: 6/11/2009
		SCALE: As Shown
FIGURE: 3	Via Verde New Housing New York Legacy 700-730 Brook Avenue Bronx, New York	DRAWN BY: J.T.C.
DRAWING NO: 2009-32		APPR. BY: D.S.



WELL ID	Depth to Water	Top Of Casing Elevation	Well Elevation
MW-1	21.73	24.77	3.04
MW-2	19.79	21.98	2.19
MW-3	9.32	11.64	2.32
MW-4	4.89	7.24	2.35
MW-5	4.88	7.31	2.43

LEGEND

MW-1 — GROUNDWATER MONITORING WELL LOCATION and DESIGNATION

(2.19) — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL

2.45 — GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL (DASHED WHERE INFERRED)

GENERAL DIRECTION OF GROUNDWATER FLOW

ABANDONED RR SPUR

FENCE

0 50 100 200

GRAPHIC SCALE IN FEET

Contour Interval 0.05 Feet

NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8-17-06 AND MONTROSE SURVEY DATED 10-8-07.

2. MW-2 DATA NOT USED IN GENERATING CONTOUR MAP.

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17 Dupont Street, Plainview, New York 11803

Groundwater Elevation Contour Map
February 12, 2009

DATE: 3/25/2009

SCALE: AS SHOWN

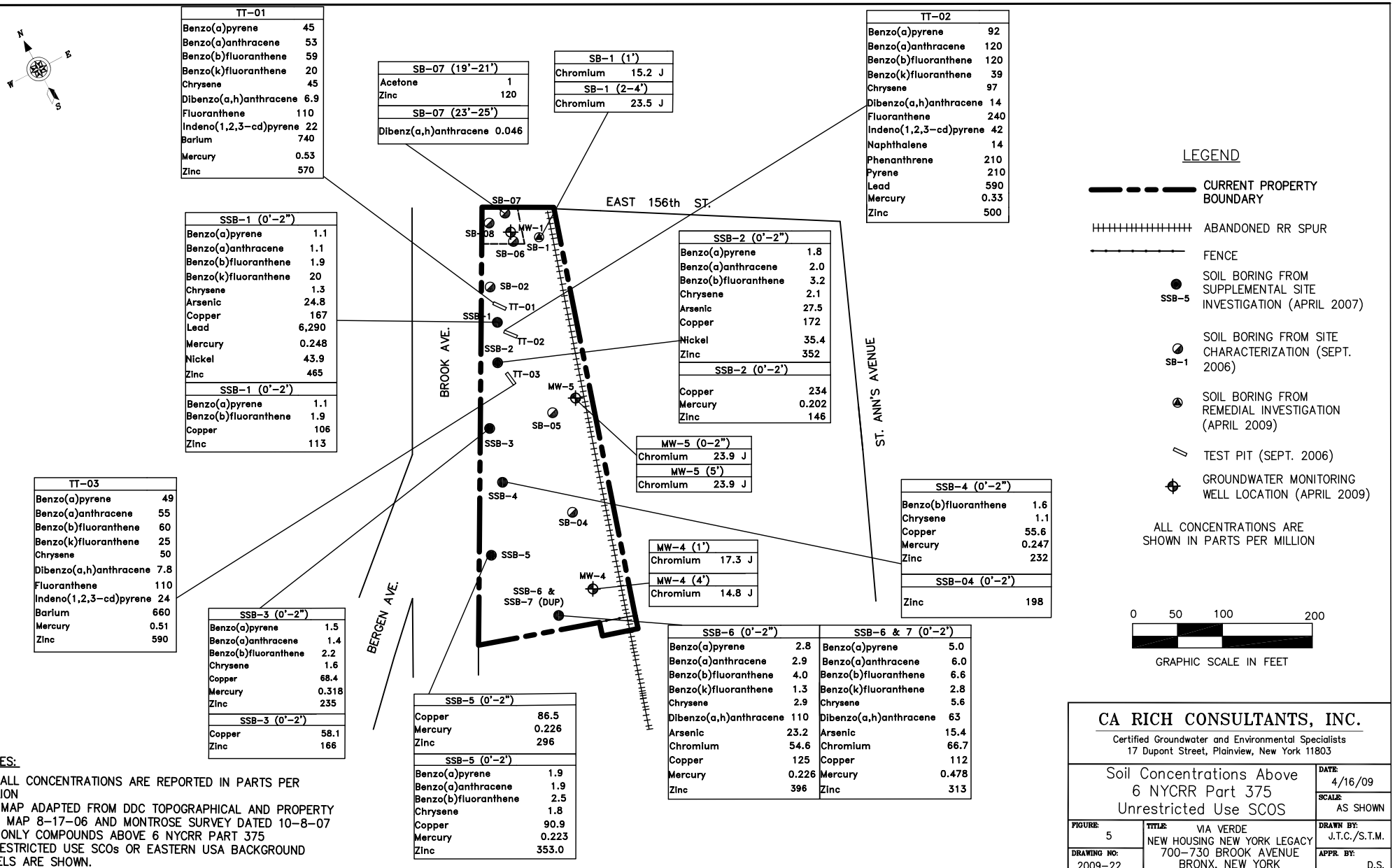
FIGURE: 4

TITLE: VIA VERDE
NEW HOUSING NEW YORK LEGACY
700-730 BROOK AVENUE
BRONX, NEW YORK

DRAWN BY: J.T.C./S.T.M.

DRAWING NO: 2009-9

APPR. BY: D.S.



NOTES:

1. ALL CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION
2. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8-17-06 AND MONTROSE SURVEY DATED 10-8-07
3. ONLY COMPOUNDS ABOVE 6 NYCRR PART 375 UNRESTRICTED USE SCOs OR EASTERN USA BACKGROUND LEVELS ARE SHOWN.

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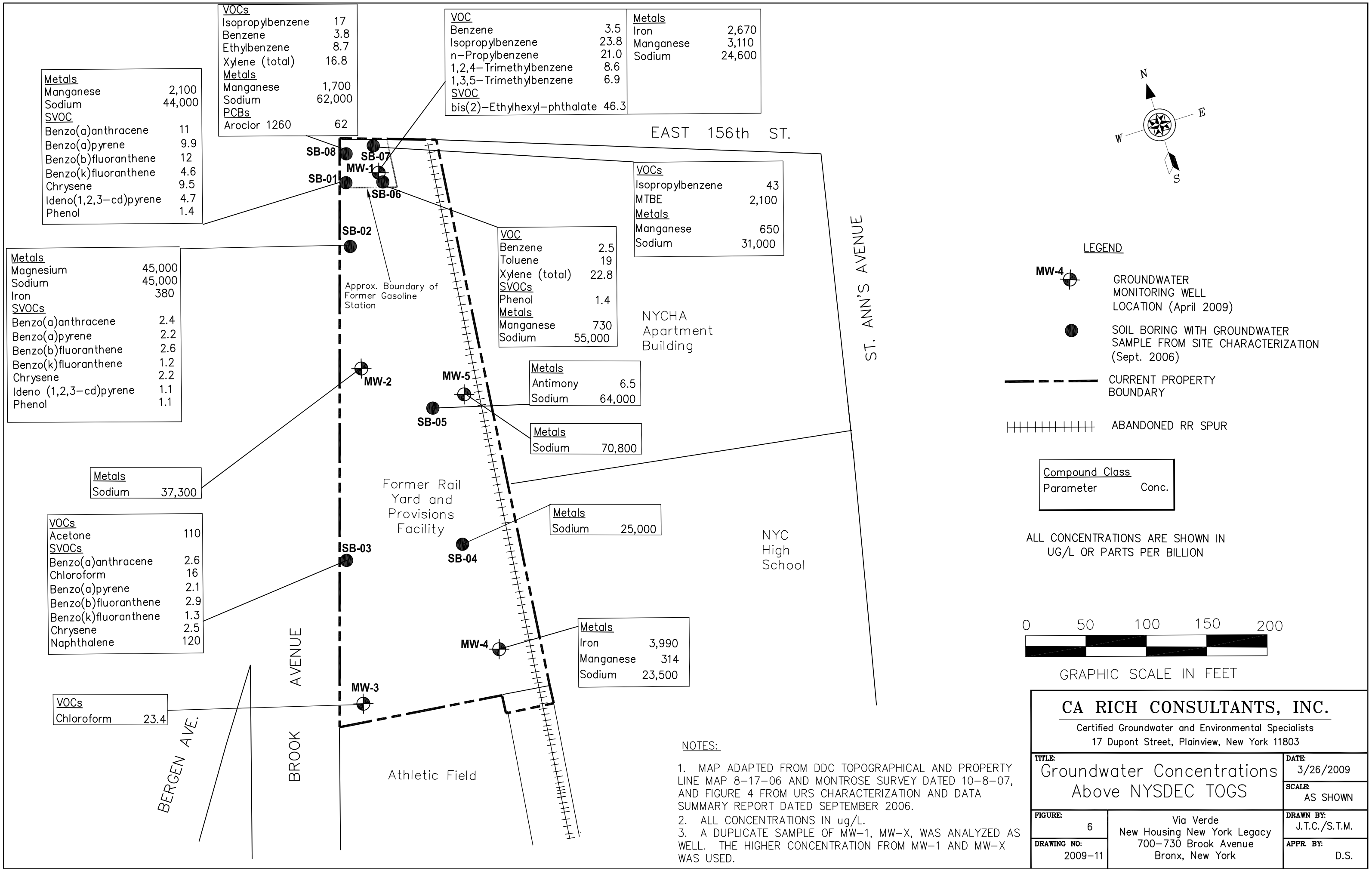
Certified Groundwater and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

Soil Concentrations Above 6 NYCRR Part 375 Unrestricted Use SCOS

DATE: 4/16/09
SCALE: AS SHOWN
FIGURE: 5
DRAWING NO: 2009-22
TITLE: VIA VERDE NEW HOUSING NEW YORK LEGACY 700-730 BROOK AVENUE BRONX, NEW YORK
DRAWN BY: J.T.C./S.T.M.
APPR. BY: D.S.



NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8–17–06 AND MONTROSE SURVEY DATED 10–8–07, AND FIGURE 4 FROM URS CHARACTERIZATION AND DATA SUMMARY REPORT DATED SEPTEMBER 2006.
2. ALL CONCENTRATIONS IN ug/L.
3. A DUPLICATE SAMPLE OF MW–1, MW–X, WAS ANALYZED AS WELL. THE HIGHER CONCENTRATION FROM MW–1 AND MW–X WAS USED.

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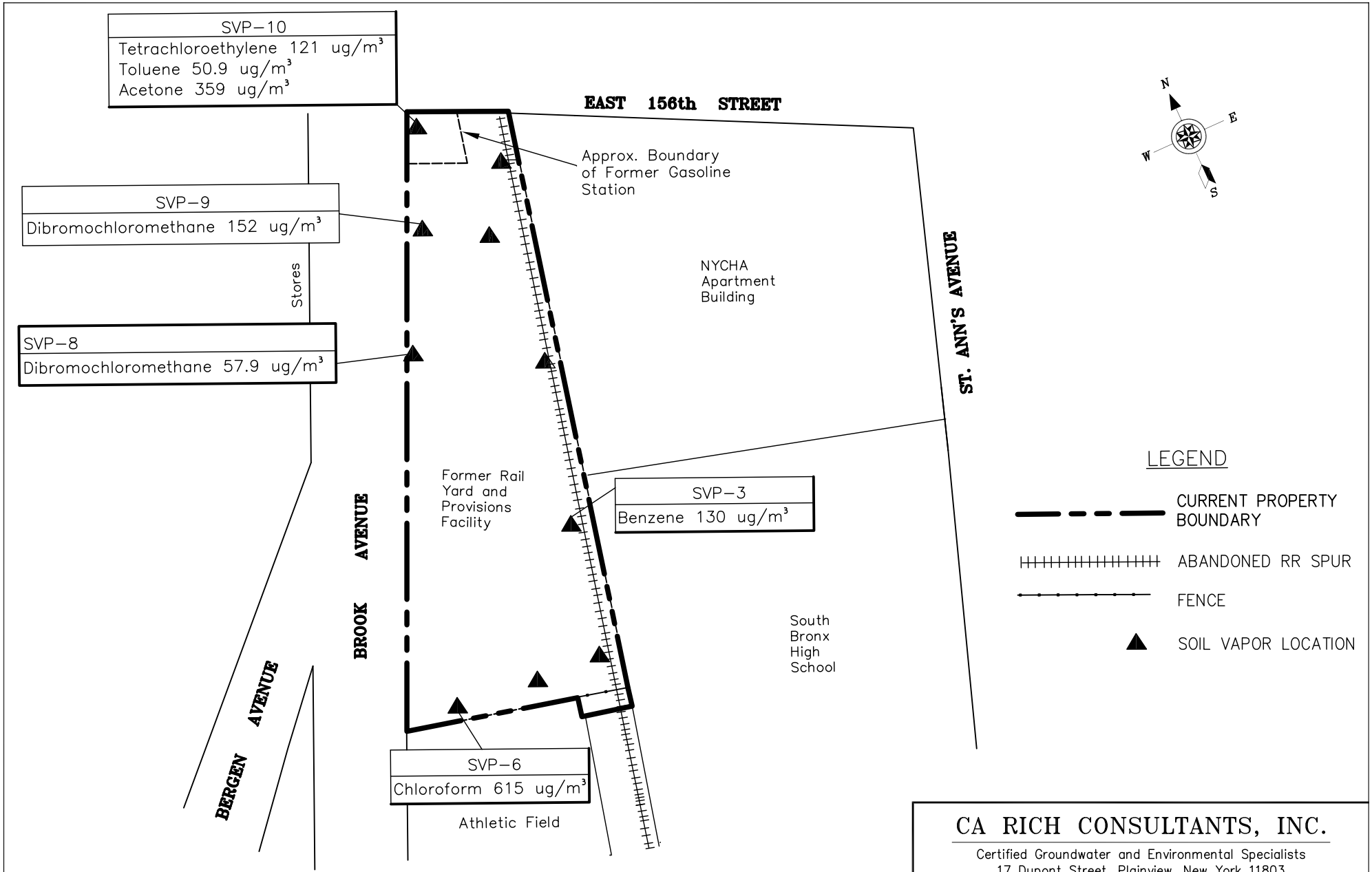
17 Dupont Street, Plainview, New York 11803

TITLE: Groundwater Concentrations Above NYSDEC TOGS		DATE: 3/26/2009
		SCALE: AS SHOWN
FIGURE: 6	Via Verde New Housing New York Legacy 700–730 Brook Avenue Bronx, New York	DRAWN BY: J.T.C./S.T.M.
DRAWING NO: 2009–11		APPR. BY: D.S.



NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8–17–06 AND MONTROSE SURVEY DATED 10–8–07

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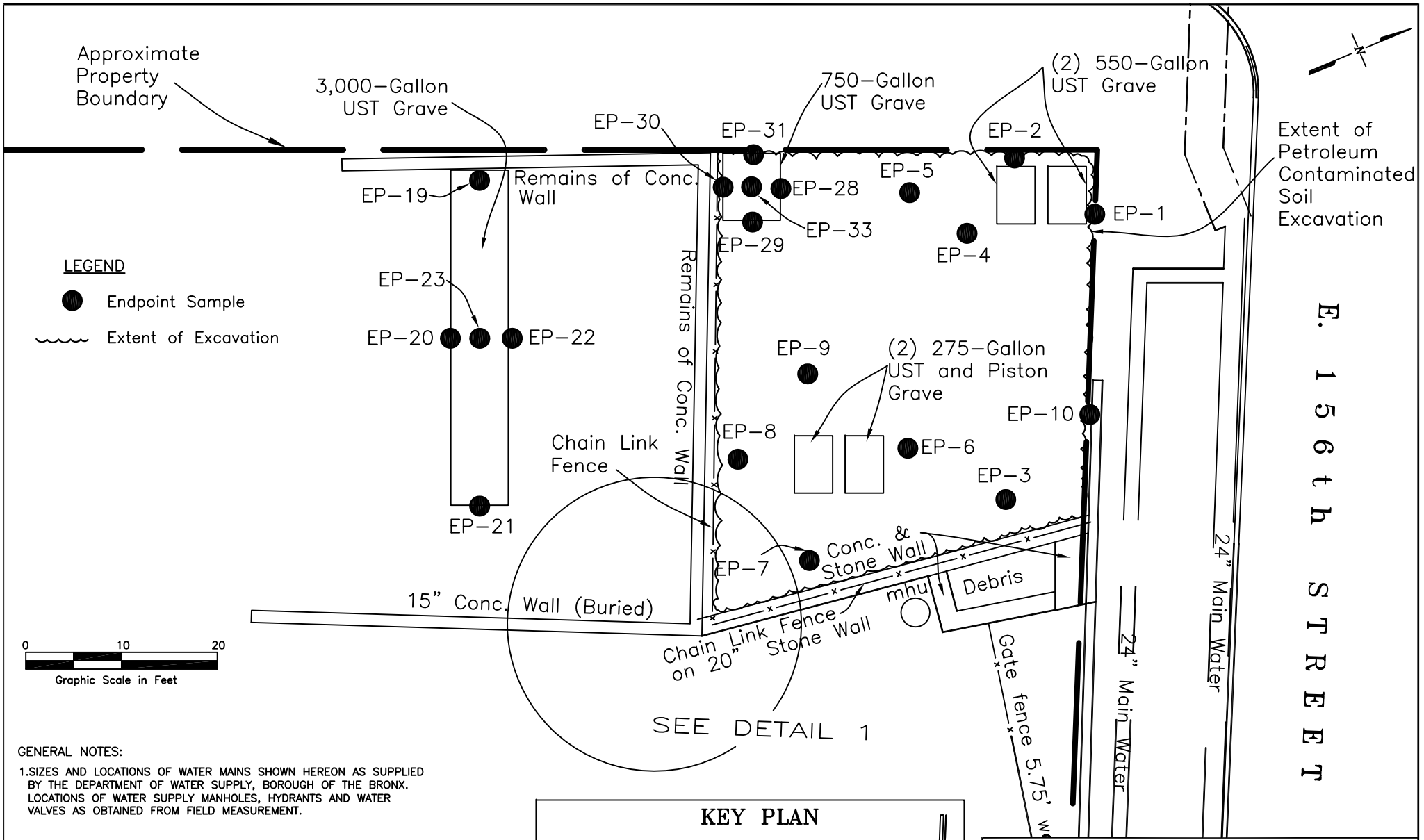
17 Dupont Street, Plainview, New York 11803

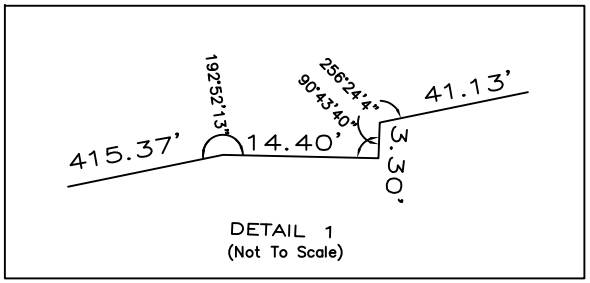
Volatile Organic Compounds Detected in Soil Vapor Samples Above 50 ug/m³

FIGURE: 7	TITLE: VIA VERDE NEW HOUSING NEW YORK LEGACY 700–730 BROOK AVENUE BRONX, NEW YORK	DATE: 3/24/2009
DRAWING NO: 2009–10		SCALE: AS SHOWN
		DRAWN BY: J.T.C./S.T.M.
		APPR. BY: D.S.

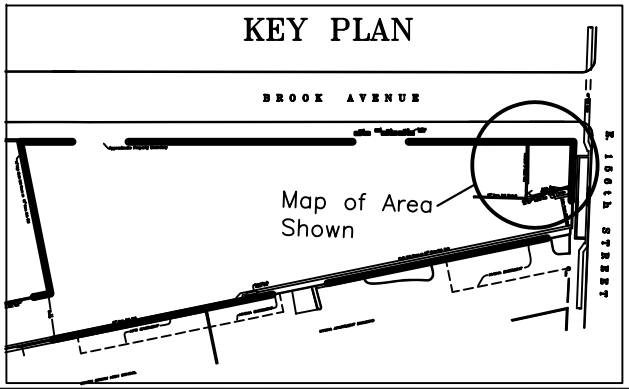


GENERAL NOTES:

1. SIZES AND LOCATIONS OF WATER MAINS SHOWN HEREON AS SUPPLIED BY THE DEPARTMENT OF WATER SUPPLY, BOROUGH OF THE BRONX. LOCATIONS OF WATER SUPPLY MANHOLES, HYDRANTS AND WATER VALVES AS OBTAINED FROM FIELD MEASUREMENT.



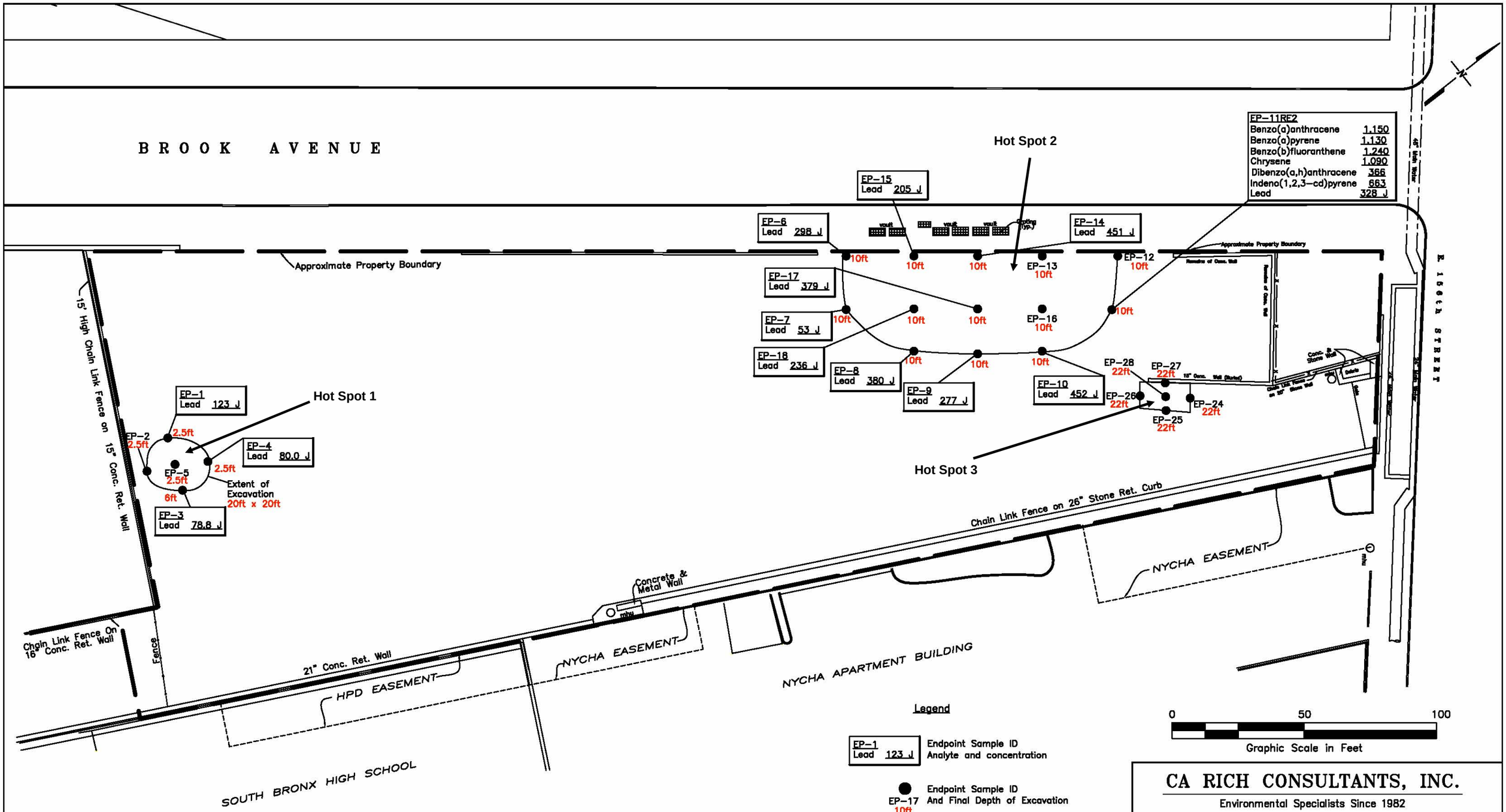
DETAIL 1
(Not To Scale)



CA RICH CONSULTANTS, INC.

Certified Groundwater and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: Underground Storage Tank and Endpoint Sample Location Map		DATE: 5/28/2010
		SCALE: As Shown
FIGURE: 8	VIA VERDE NEW HOUSING NY LEGACY PROJECT 700–730 BROOK AVENUE BRONX, NY 10451	DRAWN BY: J.T.C.
DRAWING NO: 2010–20A.4		APPR. BY: D.S.



Legend

EP-1 Lead 123 J — Endpoint Sample ID, Analyte and concentration

EP-17 10ft — Endpoint Sample ID And Final Depth of Excavation

mhu — Manhole

GENERAL NOTES:

1. FINAL DEPTHS ARE IN RED
2. J = ANALYTE WAS NOT DETECTED ABOVE REPORTED SAMPLE QUANTITATION LIMITS
3. ANALYTE CONCENTRATION ARE IN PPM
4. BOX PLOTS CONTAIN ANALYTES DETECTED ABOVE NYSDEC PART 375 TRACK 1

NOTES:

1. DRAWING ADAPTED FROM SURVEY PREPARED BY MONTROSE SURVEYING CO., LLP. DATED DECEMBER 12, 2008.

CA RICH CONSULTANTS, INC.
Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

TITLE: Hot Spot Excavation Area

DATE: 7/19/2011

SCALE: AS SHOWN

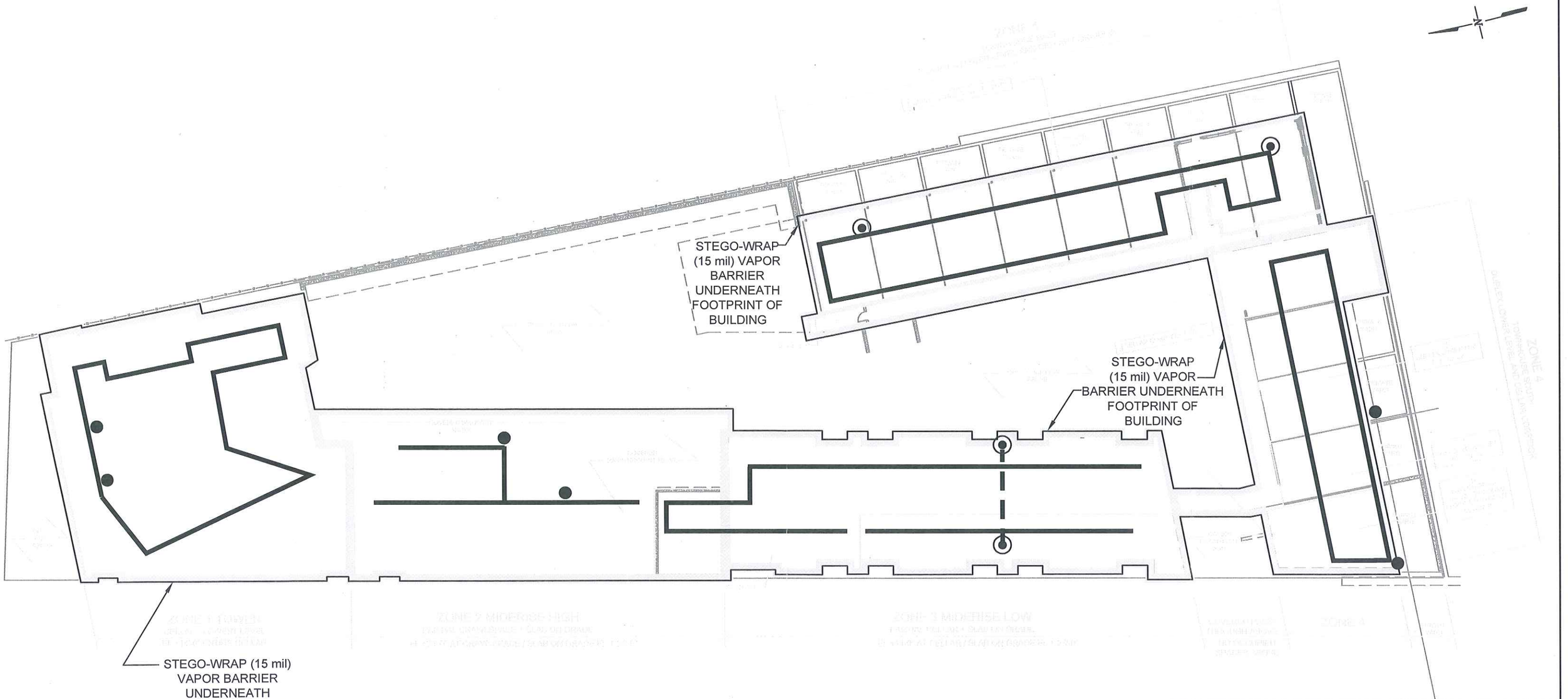
FIGURE: 9

VIA VERDE
NEW HOUSING NY LEGACY PROJECT
700-730 BROOK AVENUE
BRONX, NY 10451

DRAWN BY: J.T.C.

DRAWING NO: 2010-20A.1

APPR. BY: R.J.I



Legend

- 4" SSD Riser
- 6" SSD Riser
- SSD Lateral (Typical)
- Above grade cross over connection due to elevation change

0 20 40 60

Graphic Scale in Feet

STATE OF NEW YORK
STEPHEN J. OSMUNDSEN
No. 056136
LICENSED PROFESSIONAL ENGINEER

CA RICH CONSULTANTS, INC.

Environmental Specialists Since 1982

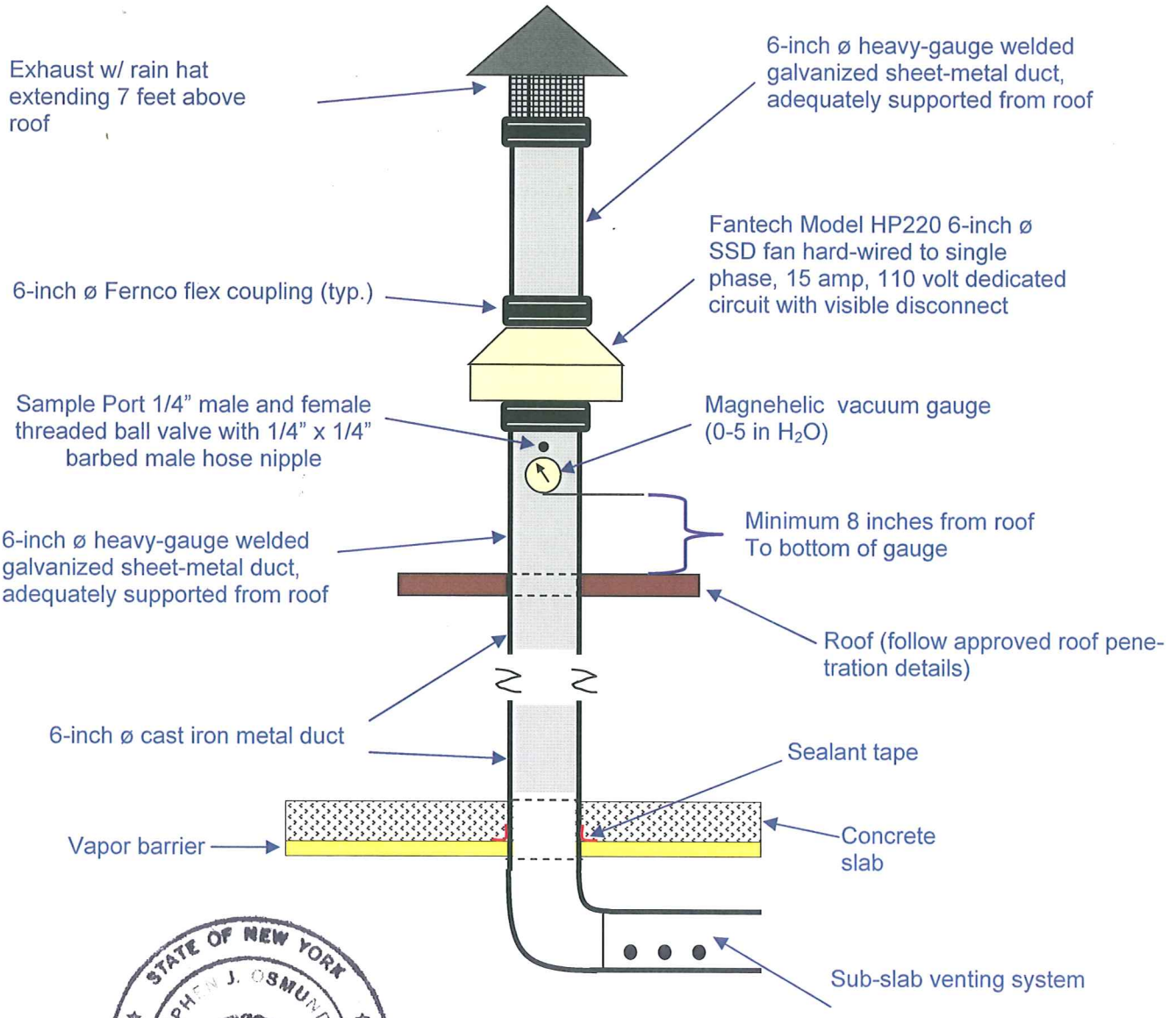
17 Dupont Street, Plainview, New York 11803

Stephen J. Osmundsen, P.E.

Consulting Engineer

514 Pantigo Road # 16, East Hampton New York 11937

TITLE: As–Built Sub–Slab Depressurization System		DATE: 9/7/2011
		SCALE: As Shown
FIGURE: 10	Via Verde New Housing New York Legacy 700–730 Brook Avenue Bronx, New York	DRAWN BY: J.T.C.
DRAWING NO: 2009–30		APPR. BY: R.I.



STATE OF NEW YORK
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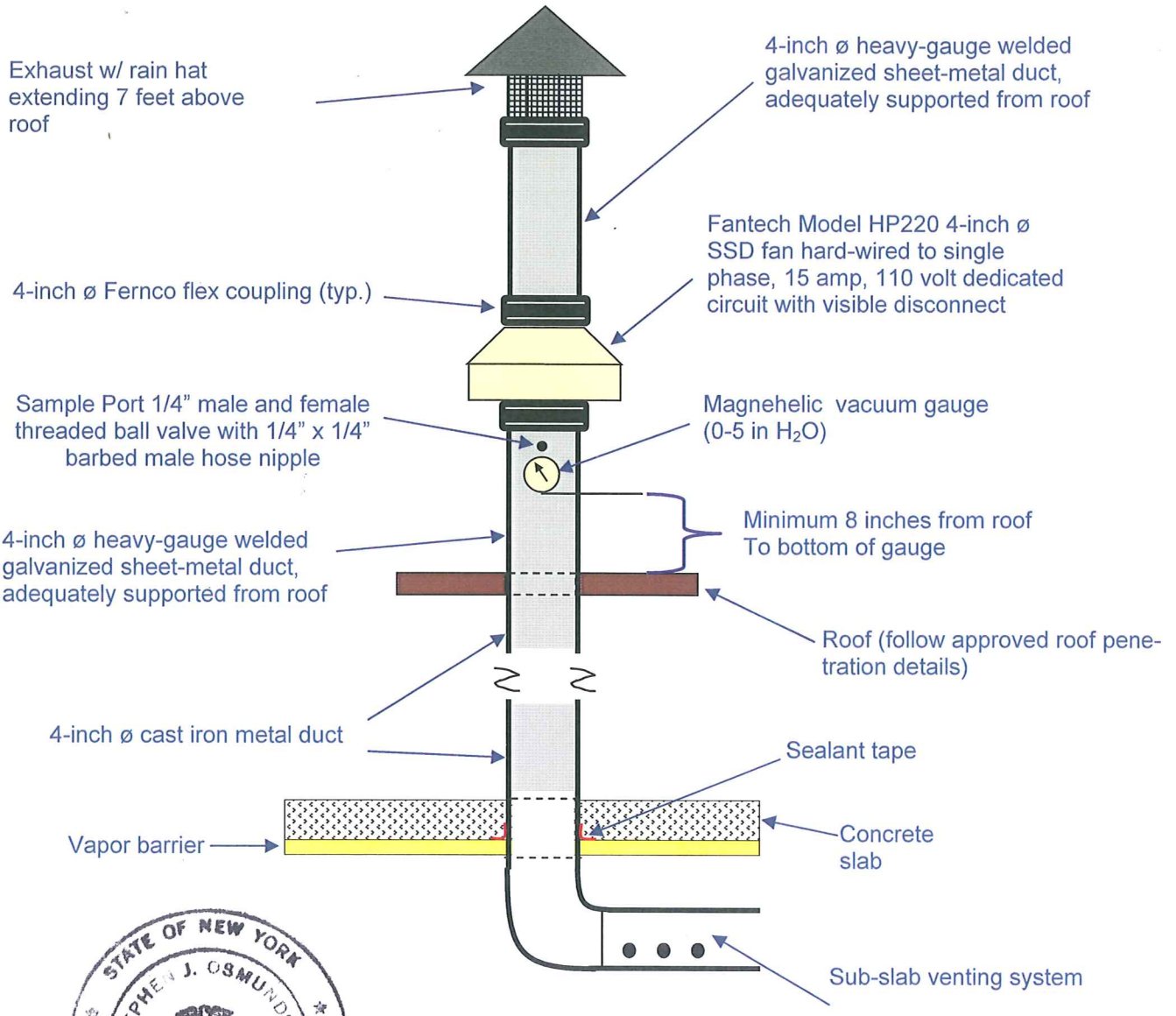
East Hampton, NY 11937

CA RICH CONSULTANTS, INC.
Environmental Specialists Since 1982
17 Dupont Street,
Plainview, NY 11803

Drawing:	As-Built Piping Details of SSD Fan and Vent with 6-inch Diameter Riser	Figure: 11	Drawn by: RJI
Scale: N.T.S.	Via Verde New Housing New York Legacy 700-730 Brook Avenue Bronx, NY	Date: 9/14/11	Approved by: SO



STATE OF NEW YORK
STEPHEN J. OSMUNDSEN
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Stephen J. Osmundsen, P.E.
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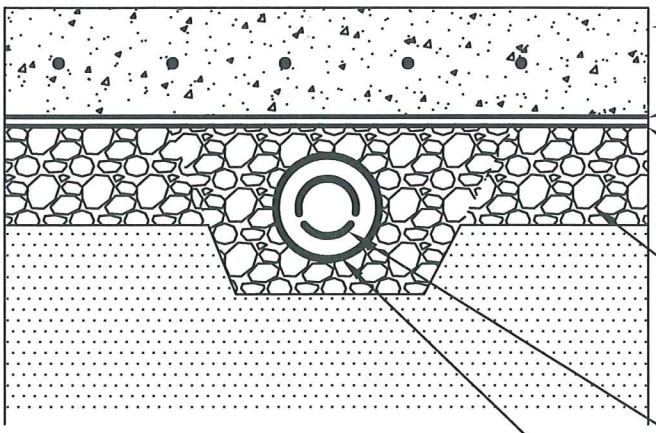
514 Pantigo Road #16
East Hampton, NY 11937

CA RICH CONSULTANTS, INC.
Environmental Specialists Since 1982
17 Dupont Street,
Plainview, NY 11803

Drawing:	As-Built Piping Details of SSD Fan and Vent with 4-inch Diameter Riser	Figure: 11a	Drawn by: RJI
Scale: N.T.S.	Via Verde New Housing New York Legacy 700-730 Brook Avenue Bronx, NY	Date: 9/14/11	Approved by: SO



Concrete slab

Vapor Barrier Stego Wrap 15 mil overlapped 6" minimum at seams sealed with approved tape

Protective board

3/4–Inch crushed recycled concrete aggregate with no less than 1–foot thickness at pipe location

4–Inch ø perforated PVC pipe (ASTM D3034)
With (2) 1/2" ø holes at 5" centers 120° apart
joints are bell–and–spigot, loose type

Wrap pipe with Geotextile Fabric
4" Sock/Drain Guard
Manufactured by Advanced Drainage Systems, Hillard, Ohio.

STATE OF NEW YORK
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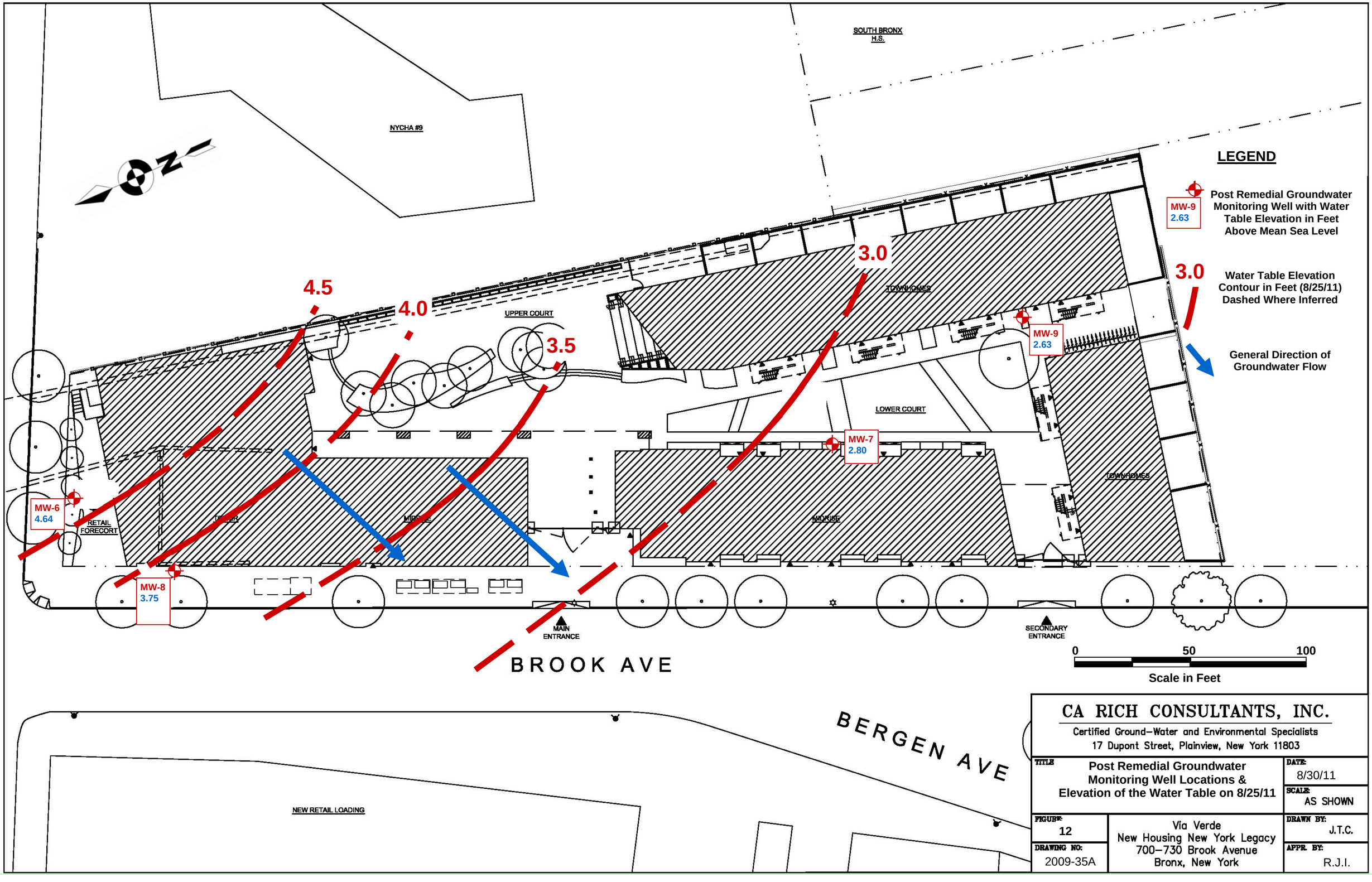
Stephen J. Osmundsen, P.E.
Consulting Engineer
514 Pantigo Road #16, East Hampton, New York 11937

TITLE: As–Built Vent Pipe Cross–Section		DATE: 11/3/2011
		SCALE: Not to Scale
FIGURE: 11b	Via Verde New Housing New York Legacy 700–730 Brook Avenue Bronx, New York	DRAWN BY: J.T.C.
DRAWING NO: 2009–28A		APPR. BY: S.J.O.

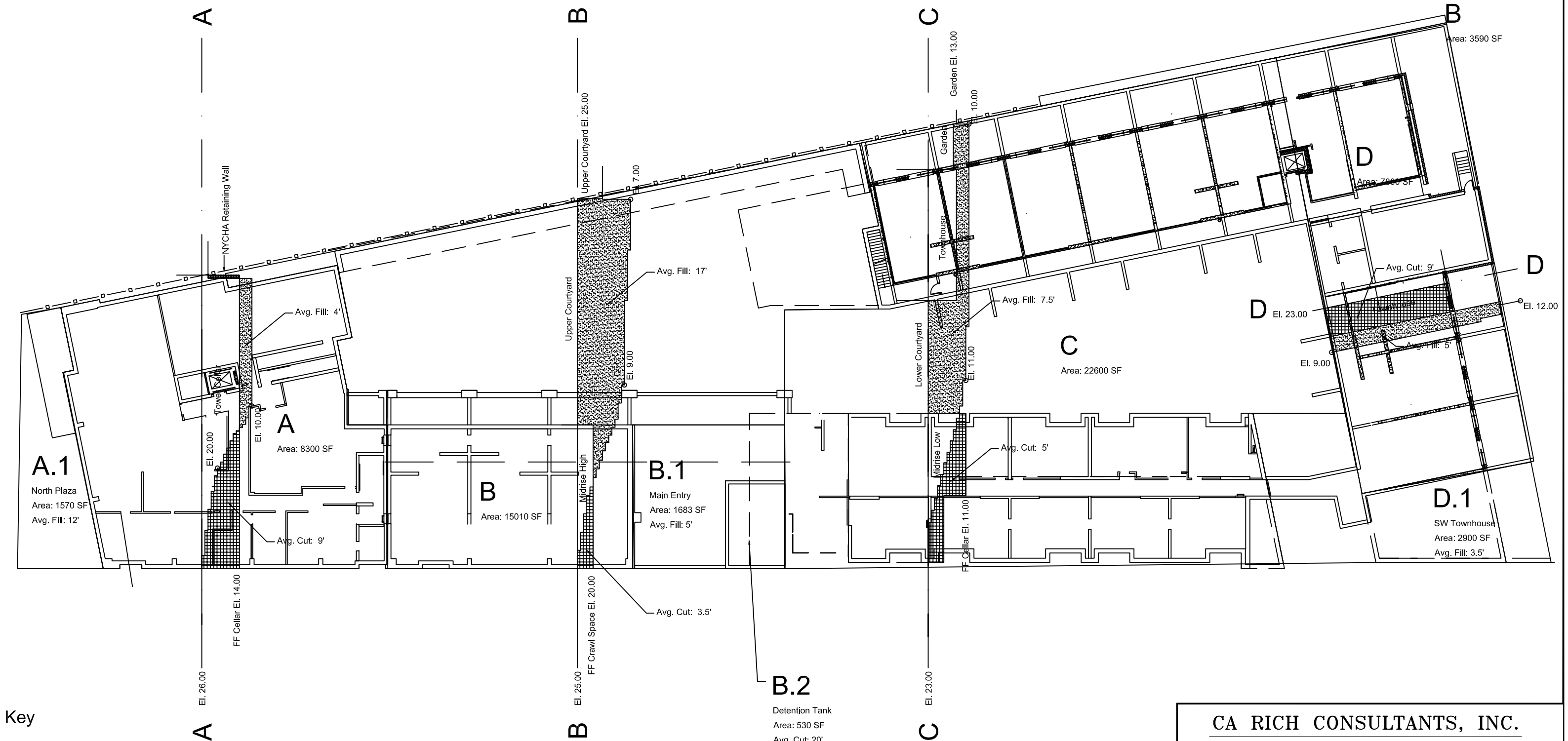


CA RICH CONSULTANTS, INC.

Certified Ground–Water and Environmental Specialists

17 Dupont Street, Plainview, New York 11803

TITLE: Post Remedial Groundwater Monitoring Well Locations & Elevation of the Water Table on 8/25/11		DATE: 8/30/11
		SCALE: AS SHOWN
FIGURE: 12	Via Verde New Housing New York Legacy 700–730 Brook Avenue Bronx, New York	DRAWN BY: J.T.C.
DRAWING NO: 2009-35A		APPR. BY: R.J.I.



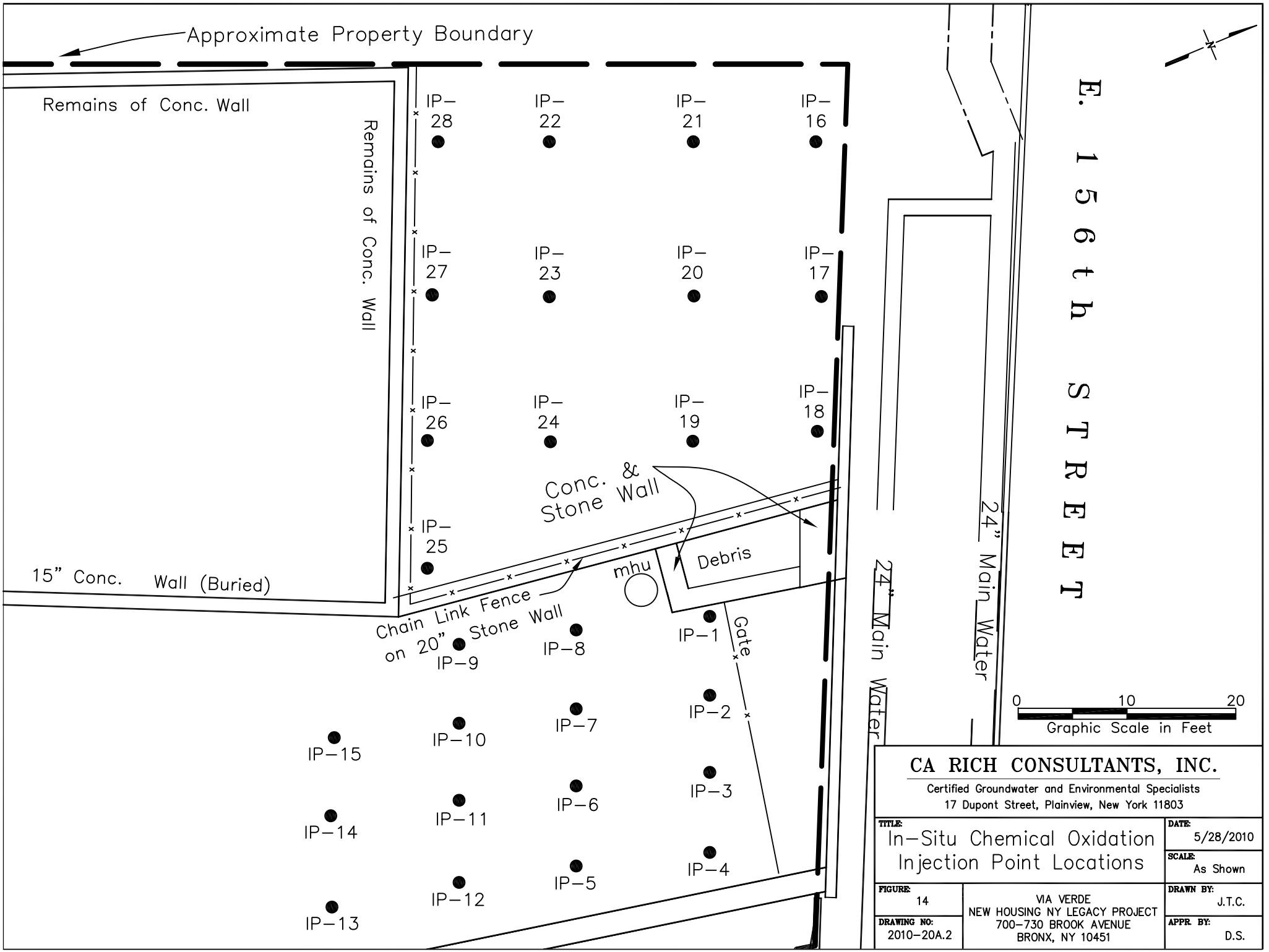
CA RICH CONSULTANTS, INC.

Certified Ground–Water and Environmental Specialists

17 Dupont Street, Plainview, New York 11803

TITLE: Cut/Fill Thickness Map	DATE: 7/14/09
	SCALE: AS SHOWN
FIGURE: 13	DRAWN BY: J.T.C.
DRAWING NO: 2009–37A	APPR. BY: D.S.

Via Verde
New Housing New York Legacy
700–730 Brook Avenue
Bronx, New York



CA RICH CONSULTANTS, INC.

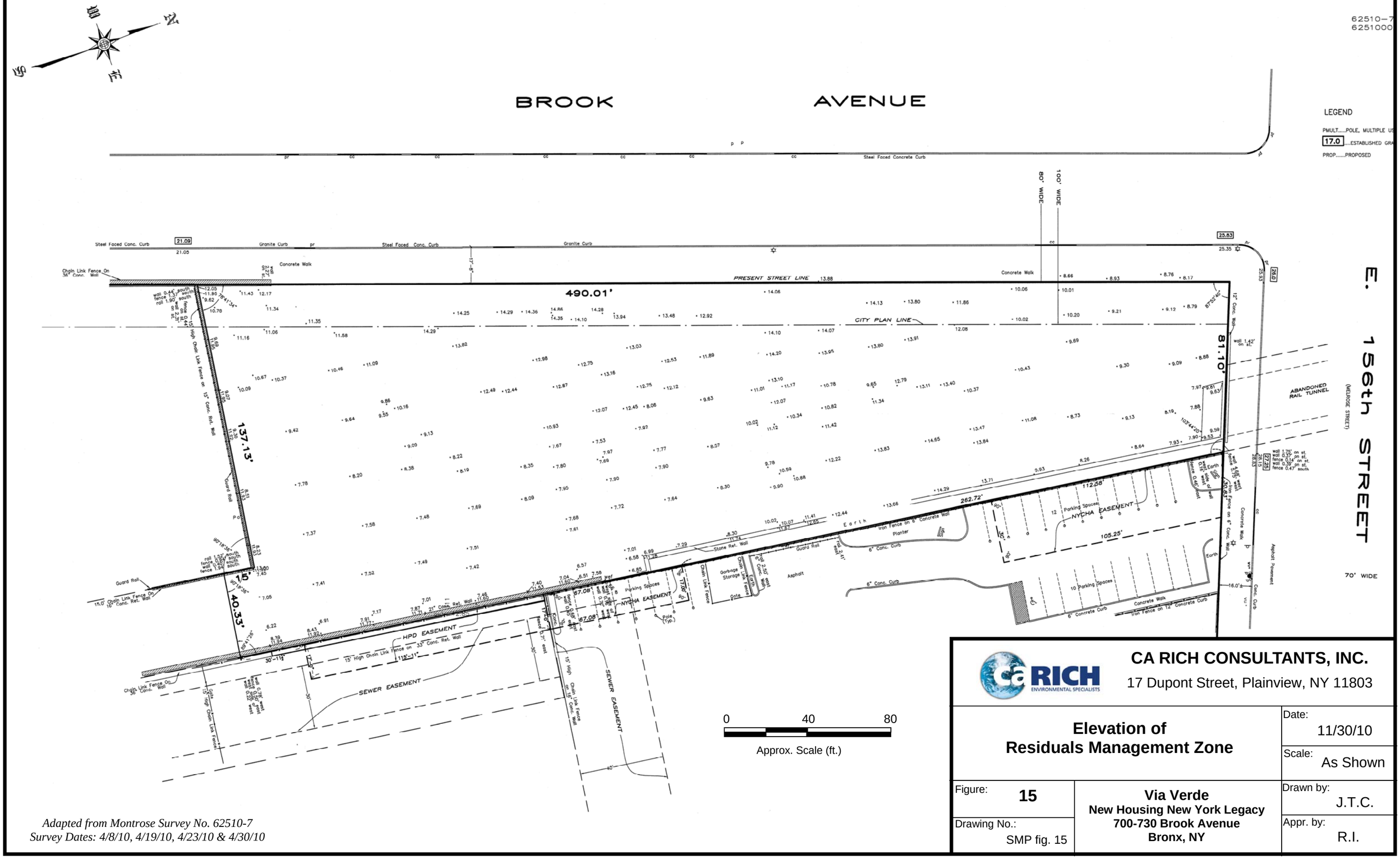
Certified Groundwater and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: In-Situ Chemical Oxidation Injection Point Locations	DATE: 5/28/2010
	SCALE: As Shown
FIGURE: 14	DRAWN BY: J.T.C.
DRAWING NO: 2010-20A.2	APPR. BY: D.S.

VIA VERDE
NEW HOUSING NY LEGACY PROJECT
700-730 BROOK AVENUE
BRONX, NY 10451

SURVEY NO. 62510-

62510-7
6251000



Adapted from Montrose Survey No. 62510-7
Survey Dates: 4/8/10, 4/19/10, 4/23/10 & 4/30/10

CA RICH CONSULTANTS, INC.
17 Dupont Street, Plainview, NY 11803

Elevation of Residuals Management Zone

Date: 11/30/10
Scale: As Shown

Figure: **15**
Drawing No.: SMP fig. 15

Via Verde
New Housing New York Legacy
700-730 Brook Avenue
Bronx, NY

Drawn by: J.T.C.
Appr. by: R.I.

SOUTH BRONX H.S.

NYCHA #9

E 156TH ST

LEGEND

Building Foundation with Elevation of Vapor Barrier Below

Landscaped/non-capped area containing 2-foot Clean Fill Buffer as Detailed on Figure 9A

Various Impermeable Surfaces as Detailed on Figure 9A

Elevation +13'-1/2"

TOWNHOMES

Retaining Wall

UPPER COURT

Elevation +13'-4"

TOWER

LOWER COURT

Elevation +10'-4"

Elevation +10'-4"

TOWNHOMES

Elevation +13'-1/2"

Elevation +12'-1/2"

Elevation +21'-2 1/2"

MIDRISE

Elevation +3'-0"

MIDRISE

RETAIL FORECORT

Elevation +18'-10"

Elevation +17'-0"

BROOK AVE

BERGEN AVE

NEW RETAIL LOADING

0 25 50 75 100

Graphic Scale In Feet

STATE OF NEW YORK
STEPHEN J. OSMUNDSEN
056136
LICENSED PROFESSIONAL ENGINEER

CA RICH CONSULTANTS, INC.
Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

Stephen J. Osmundsen, P.E.
Consulting Engineer
514 Pantigo Road #16, East Hampton, NY 11937

TITLE: As-Built of Composite Cover System	DATE: 9/1/11
	SCALE: AS SHOWN
FIGURE: 16	DRAWN BY: S.T.M.
DRAWING NO: 2011-34	APPR. BY: S.J.O.

Via Verde
New Housing New York Legacy
700-730 Brook Avenue
Bronx, New York

TABLES

Table 1
Track 4 Alternative Soil Cleanup Objectives (SCOs)
Via Verde aka New Housing New York Legacy
700-730 Brook Avenue
Bronx, New York

Compound/Constituent	Track 4 SCOs	Units
Lead	590	mg/kg
Total VOCs	10	mg/kg
Total SVOCs	100	mg/kg

Notes:
mg/kg = milligrams per kilogram
VOC = volatile organic compound
SVOC = semi-volatile organic compound

Track 4 SCOs were developed by CA RICH based upon statistical analysis, Part 375 SCOs, and NYSDEC guidance
Track 4 land use includes restricted residential and commercial

Prepared by CA RICH CONSULTANTS, INC.

Table 2

New Housing New York Legacy Project

700-730 Brook Avenue

Bronx, NY

BCP #C203043

Summary of Waste Disposal Receipts and Manifests

Soil Disposal from BCP Site Excavation

Item #	Date	Manifest #	Facility Destination	Waste Class.	Weight (TN)	Cumm Qty (TN)
1	04/05/10	23994	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	31.75	31.75
2	04/05/10	23995	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	29.45	61.20
3	04/05/10	23991	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.50	88.70
4	04/05/10	23992	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.75	116.45
5	04/05/10	23993	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.03	144.48
6	04/05/10	23996	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.90	172.38
7	04/05/10	23997	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	26.69	199.07
8	04/05/10	23998	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.65	226.72
9	04/05/10	23999	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.15	253.87
10	04/05/10	24000	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.75	282.62
11	04/05/10	24001	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	33.28	315.90
12	04/05/10	24002	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.25	343.15
13	04/05/10	24003	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.65	370.80
14	04/05/10	24004	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	31.71	402.51
15	04/05/10	24005	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	30.39	432.90
16	04/05/10	24006	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.90	460.80
17	04/05/10	24007	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	33.87	494.67
18	04/05/10	24008	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.18	521.85
19	04/05/10	24009	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.75	549.60
20	04/05/10	24010	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.77	577.37
21	04/06/10	24044	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	34.18	611.55
22	04/06/10	24045	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	34.12	645.67
23	04/06/10	24042	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	46.03	691.70
24	04/06/10	24043	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	29.81	721.51
25	04/06/10	24041	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	29.80	751.31
26	04/06/10	24046	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	49.03	800.34
27	04/06/10	24047	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	31.60	831.94
28	04/06/10	24049	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	26.77	858.71
29	04/06/10	24048	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	31.76	890.47
30	04/06/10	24050	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	34.06	924.53
31	04/07/10	24071	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	36.03	960.56
32	04/08/10	24079	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	34.19	994.75
33	04/08/10	24078	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	29.99	1,024.74
34	04/08/10	24080	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.79	1,053.53
35	04/08/10	24077	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	29.97	1,083.50
36	04/08/10	24099	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.51	1,112.01
37	04/08/10	24098	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.18	1,140.19
38	04/08/10	24081	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.33	1,168.52
39	04/08/10	24097	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.74	1,197.26
40	04/08/10	24096	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	28.16	1,225.42
41	04/08/10	24094	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	30.32	1,255.74
42	04/08/10	24095	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	29.92	1,285.66
43	04/08/10	24093	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	26.94	1,312.60
44	04/08/10	24083	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	30.36	1,342.96
45	04/08/10	24084	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	26.91	1,369.87
46	04/08/10	24082	Bellmawr Waterfront Development, Bellmawr, NJ	Beneficial Reuse (soil)	27.54	1,397.41
47	04/15/10	24839	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	35.32	1,432.73
48	04/15/10	24840	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	32.90	1,465.63
49	04/15/10	24841	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	31.09	1,496.72
50	04/15/10	24843	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	33.64	1,530.36
51	04/15/10	24842	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	32.92	1,563.28
52	04/19/10	3119	Pure Soil Technologies - Walter Earle Corp., Jackson, NJ	Recycling (petroleum soil	39.99	1,603.27

Bellmawr	1014.22
Earle	589.05

Table 2

New Housing New York Legacy Project

700-730 Brook Avenue

Bronx, NY

BCP #C203043

Summary of Waste Disposal Receipts and Manifests

Construction and Demolition Debris from Demolition

Item #	Date	Ticket #	Facility Destination	Waste Class.	Volume (CY)	Cumm Qty (CY)
1	04/06/10	82063	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	20.00
2	04/06/10	82064	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	40.00
3	04/06/10	82065	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	60.00
4	04/06/10	82066	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	80.00
5	04/06/10	82067	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	100.00
6	04/06/10	82068	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	120.00
7	04/06/10	82069	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	140.00
8	04/06/10	82070	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	160.00
9	04/07/10	82071	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	180.00
10	04/07/10	82072	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	200.00
11	04/07/10	82073	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	220.00
12	04/07/10	82074	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	240.00
13	04/07/10	82075	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	260.00
14	04/07/10	82076	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	280.00
15	04/07/10	82077	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	300.00
16	04/07/10	82078	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	320.00
17	04/12/10	82079	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	340.00
18	04/12/10	82080	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	360.00
19	04/12/10	82081	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	380.00
20	04/12/10	82082	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	400.00
21	04/12/10	82083	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	420.00
22	04/12/10	82084	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	440.00
23	04/12/10	82085	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	460.00
24	04/12/10	82086	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	480.00
25	04/13/10	82087	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	500.00
26	04/13/10	82088	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	520.00
27	04/13/10	82089	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	540.00
28	04/13/10	82090	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	560.00
29	04/14/10	82091	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	580.00
30	04/14/10	82092	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	600.00
31	04/15/10	82093	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	620.00
32	04/15/10	82094	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	640.00
33	04/15/10	82095	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	660.00
34	04/15/10	82096	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	680.00
35	04/16/10	82097	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	700.00
36	04/16/10	82098	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	720.00
37	04/16/10	82099	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	740.00
38	04/16/10	82100	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	760.00
39	04/16/10	82101	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	780.00
40	04/16/10	82102	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	800.00
41	04/16/10	82103	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	820.00
42	04/16/10	82104	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	840.00
43	04/19/10	82105	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	860.00
44	04/19/10	82106	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	880.00
45	04/19/10	82107	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	900.00
46	04/19/10	82108	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	920.00
47	04/27/10	82109	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	940.00
48	04/27/10	82110	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	960.00
49	04/27/10	82111	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	980.00
50	04/29/10	82112	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	1,000.00
51	04/29/10	82113	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	1,020.00
52	04/29/10	82114	Cardella Waste, North Bergen, NJ	C & D Debris	20.00	1,040.00

Total C&D: 1,040.00 Cubic Yards

Table 3

Validated Analytical Results for Volatile Organic Compounds In Soil Excavation Endpoint Samples
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	EP-1	EP-X	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-11	EP-12	EP-13	EP-14	EP-15	EP-16	EP-17	EP-18	EP-24	EP-25	EP-26	EP-27	EP-28	Trip Blank	Trip Blank	Field Blank	Field Blank	Part 375 - Track 1 Soil Cleanup Objectives*	Part 375 - Track 2 Soil Cleanup Objectives*	Track 4 Site Specific Soil Action Levels**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Liquid	Liquid	Liquid	Liquid			
Date Sampled	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	4/14/2010	4/14/2010	4/14/2010	4/14/2010	4/14/2010	3/23/2010	4/14/2010	3/23/2010	4/14/2010			
Volatile Organic Compounds																															
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/L	µg/L	µg/L	µg/L	ug/kg	ug/kg	ug/kg
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND	ND	ND	50	100,000	NVG
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	4,800	NVG
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Butanone (MEK)	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND UJ	ND	ND UJ	ND	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND	ND	ND	ND	ND	ND R	ND	ND R	NVG	NVG	NVG
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	NVG	NVG
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	NVG	NVG
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	NVG	NVG
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	2,400	NVG
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	100,000	NVG
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	49,000	NVG
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	100,000	NVG
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	100,000	NVG
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	49,000	NVG
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	13,000	NVG
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	26,000	NVG
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	3,100	NVG
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	100,000	NVG
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	NVG	NVG
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NVG	NVG
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Ethyl Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	41,000	NVG
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	100,000	NVG
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	1.7 J	1.6 J	ND	1.5 J	ND	ND	ND	ND	50	100,000	NVG
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.0 J	ND UJ	ND	ND	3.2 UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	NVG	NVG
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,900	100,000	NVG
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	2.4 J	ND	0.96 J	ND	ND	ND	ND	ND	1,300	19,000	NVG
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	1.3	0.45 J	0.98 J	ND	ND	ND	1.2	0.56 J	ND	ND	0.41 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	100,000	NVG
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	100,000	NVG
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	21,000	NVG
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,600	52,000	NVG
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,400	52,000	NVG
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	2.1 J	ND	1.3 J	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	NVG	NVG
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	NVG	NVG
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	2.1 J	ND	1.3 J	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	100,000	NVG
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	900	NVG
Total VOC	0	0	0	0	0	0	0	0	3.6	0.45	3.08	0	1.3	1.8	4.68	0.56	0	0	3.61	1.7	4.1	1.6	0.96	1.5	0	0	0	0	NVG	NVG	10,000

Notes:

ug/Kg - micrograms per kilogram or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
EP-X is a duplicate of EP-1

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;*
Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives
***Track 4 Site Specific Soil Action Levels, Remedial Action Work Plan, June 2009.*

Table 4 (pg. 1 of 2)

Validated Analytical Results for Semi-Volatile Organic Compounds In Soil Excavation Endpoint Samples
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue
Bronx, New York
BCP # C203043

Sample ID	EP-1	EP-X	EP-2	EP-3	EP-3RE	EP-XXX	EP-4	EP-5	EP-6	EP-6RE	EP-6RE2	EP-7	EP-7RE	EP-7RE2	EP-8	EP-8RE	EP-8RE2	EP-9	EP-9RE	EP-9RE2	EP-10	EP-10RE	EP-10RE2	EP-11	EP-11RE	EP-11RE2	EP-12	EP-12RE	EP-12RE2	EP-13	EP-13 RE	EP-13RE2	EP-14	EP-14RE	EP-14RE2	Part 375 - Track 1	Part 375 - Track 2	Track 4 Site Specific Soil Action Levels**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil Cleanup Objectives*	Soil Cleanup Objectives*	
Depth (feet)	2.5	2.5	2.5	2.5	6	6	2.5	2.5	2.5	6	10	2.5	5.5	10	2.5	6	10	2.5	5.5	10	2.5	6	10	2.5	6	10	2.5	6	10	2.5	6	10	2.5	6	10			
Date Sampled	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/31/2010	4/1/2010	3/23/2010	3/23/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010			
Semi-Volatile Organic Compounds																																					
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dinitrophenol	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND	ND UJ	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	NVG	NVG	NVG
4,6-Dinitro-o-cresol	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND	ND UJ	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	NVG	NVG	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3+4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	NVG	NVG	NVG
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	NVG	NVG
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	NVG	NVG
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Acenaphthene	26.8 J	20.3 J	ND	56.8	ND	ND	40.0	ND	3,390	3,090	39.7	14,200	3,500	ND	3,300	9,010 b	18.8 J	308	1,690	ND	183	4,450 a	113	46.1	5,580 a	287	334	4,410	ND	4,140	**21,500 a**	ND	6,860	5,970 a	ND	20,000	100,000	NVG
Acenaphthylene	ND	67.0	47.6	163	ND	ND	126	ND	314	75.0	ND	429	81.9	ND	346	420	ND	328	416	ND	348	358	15.0 J	537	385	32.1 J	748	453	ND	446	1,350	ND	1,110	327	ND	100,000	100,000	NVG
Acetophenone	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.8 J	ND	ND	ND	ND	NVG	NVG	NVG
Anthracene	168	99.9	61.1	221	ND	ND	188	14.0 J	7,470	6,780 a	85.0	27,100	6,940 a	ND	6,220	17,600 b	53.8	903	3,880 a	ND	633	7,740 a	248	480	9,590 a	569	1,370	10,900 b	ND	10,300	41,100 a	24.5 J	13,000	9,780 a	ND	100,000	100,000	NVG
Atrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Benzo(a)anthracene	565	440	364	841	ND	19.2 J	719	82.1	**17,200**	**12,700 a**	150	**45,700**	**10,900 a**	33.7	**15,700**	**32,200 b**	135	**2,870**	**7,730 a**	16.2 J	**2,030**	**13,400 a**	495	**1,420**	**15,200 a**	**1,150**	**4,630**	**25,900 b**	58.4	**22,300**	**66,100 a**	54.6	**27,300**	**18,400 a**	51.6	1,000	1,000	NVG
Benzo(a)pyrene	612	504	468	946	ND	25.8 J	821	98.7	**15,600**	**10,700 a**	134	**36,100**	**8,720 a**	34.2	**14,600**	**29,500 b**	137	**3,290**	**8,020 a**	ND	**2,180**	**13,500 a**	504	**1,660**	**15,000 a**	**1,130**	**4,910**	**23,900 b**	54.1	**19,100**	**52,900 a**	61.3	**23,300**	**17,300 a**	47.3	1,000	1,000	NVG
Benzo(b)fluoranthene	701	609	523	**1,180**	ND	27.8 J	986	97.1	**18,200**	**13,800 a**	156	**42,400**	**10,600 a**	33.7	**17,300**	**32,400 b**	155	**3,110**	**8,220 a**	ND	**2,530**	**14,400 a**	533	**2,100**	**11,300 a**	**1,240**	**5,790**	**30,300 b**	70.9	**24,100**	**62,800 a**	64.4	**28,300**	**19,000 a**	64.0	1,000	1,000	NVG
Benzo(g,h,i)perylene	420	402	362	728	ND	30.9 J	615	79.8	8,670	4,420 a	89.9	18,000	4,440 a	28.2 J	8,100	**14,100 b**	90.7	1,910	3,720 a	ND	1,400	6,580 a	332	1,260	7,070 a	762	2,710	12,000 b	47.7	10,500	22,200 a	48.1	12,300	8,340 a	46.2	100,000	100,000	NVG
Benzo(k)fluoranthene	249	204	194	383	ND	21.7 J	325	43.9	**7,160**	**4,940 a**	82.5	**17,700**	**4,880 a**	26.6 J	**6,090**	**13,300 b**	51.7	**1,340**	**4,150 a**	ND	**899**	**5,210 a**	226	**689**	**10,400 a**	468	**2,410**	**7,550 b**	32.0	**8,030**	**24,300 a**	35.8	**9,360**	**6,460 a**	26.7 J	800	3,900	NVG
4-Bromophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Butyl benzyl phthalate	ND	2,630	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,190	ND	605	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1' -Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	139	123	ND	521	142	ND	127	375	ND	16.5 J	ND	ND	ND	180	ND	ND	224	ND	22.8 J	137 J	ND	156 J	910	ND	308	194	ND	NVG	NVG	NVG
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Carbazole	53.5 J	28.7 J	ND	66.5 J	ND	ND	52.9 J	ND	4,260	3,670	41.2 J	13,400	3,670	ND	3,250	8,570 b	26.2 J	437	1,670	ND	265	3,880	118	198	4,330 a	253	462	4,590	ND	5,020	20,600 a	ND	6,490	5,250 a	ND	NVG	NVG	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Chrysene	570	440	403	837	ND	21.9 J	727	81.8	**14,400**	**11,300 a**	154	**38,500**	**10,700 a**	41.7	**14,400**	**27,500 b**	143	**2,800**	**7,940 a**	18.1 J	**1,910**	**13,000 a**	479	**1,430**	**13,880 a**	**1,090**	**4,580**	**21,600 b**	63.4	**19,600**	**53,800 a**	66.2	**26,900**	**17,300 a**	59.8	1,000	3,900	NVG
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibenzo(a,h)anthracene	123	111	93.6	207	ND	18.4 J	174	15.8 J	**2,780**	**1,690**	36.7	**6,560**	**2,010**	ND	**3,380**	**6,300**	39.4	**612**	**1,820**	ND	**439**	**3,360**	158	**397**	**3,420**	**366**	**1,250**	**4,020**	ND	**4,070**	**8,330 a**	ND	**6,030**	**3,730**	ND	330	330	NVG
Dibenzofuran	ND	ND	ND	35.0 J	ND	ND	20.8 J	ND	1,660	1,300	ND	6,680	1,500	ND	1,260	4,020	ND	114	768	ND	77.6 J	1,890	45.6 J	34.4 J	2,360	118	132	1,540	ND	1,610	10,600 a	ND	3,180	1,960	ND	NVG	NVG	NVG
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	417	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dimethyl phthalate	ND	ND	ND	ND	ND	41.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Ethylhexyl)phthalate	ND	286	118	171	ND	ND	149	ND	341	ND	ND	ND	932	ND	ND	ND	ND	ND	39,200 a	ND	243	375	ND	228	432	ND	249	408	ND	1,660	ND	ND	744	ND	ND	NVG	NVG	NVG
Fluoranthene	841	758	516	1,570	ND	21.3 J	1,330	108	37,800	28,800 a	349	**105,000**	25,200 a	71.4	34,500	73,900 b	283	5,210	17,400 a	31.6 J	3,730	30,500 a	1,150	2,780	35,900 a	2,580	8,370	50,500 b	113	47,600	**147,000 a**	132	50,900	43,000 a	108	100,000	100,000	NVG
Fluorene	33.1 J	16.1 J	ND	55.9	ND	ND	36.6	ND	3,080	2,370	29.8 J	11,100	2,700	ND	2,230	7,160	17.0 J	247	1,430	ND	154	3,400	86.4	71.5	4,430 a	219	311	3,210	ND	2,910	16,600 a	ND	5,450	3,660	ND	30,000	100,000	NVG
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachlorocyclopentadiene	ND UJ	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Indeno(1,2,3-cd)pyrene	352	349	302	**651**	ND	27.3 J	**546**	70.8	**8,330**	**4,510 a**	73.6	**18,500**	**5,070 a**	20.1 J	**7,540**	**13,200 b**	76.4	**1,800**	**4,280 a**	ND	**1,300**	**6,450 a**	283	**1,160**	**6,050 a**	**663**	**3,770**	**11,900 b**	42.9	**10,600**	**23,800 a**	30.9 J	**11,900**	**7,600 a**	29.7 J	500	500	NVG
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	401	382	ND	1,720	434	ND	368	1,220	ND	40.7 J	237	ND	32.0 J	563	ND	ND	755	27.8 J	44.6 J	413	ND	441	2,910	ND	930	567	ND	NVG	NVG	NVG
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Naphthalene	ND	ND	ND	27.0 J	ND	ND	16.3 J	ND	1,020	1,040	15.2 J	6,540	1,120	ND	997	3,300	ND	74.6	497	ND	52.6	1,380	31.2 J	31.4 J	2,100	74.1	65.2	899	ND	1,150	10,500 a	ND	2,170	1,450	ND	12,000	100,000	NVG
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Phenanthrene	413	320	193	674	ND	ND	605	38.6	28,100	23,500 a	275	95,600	23,600 a	52.3	25,800	64,000 b	169	3,430	14,800 a	ND	2,330	28,700 a	813	1,170	33,900 a	1,860	4,360	38,500 b	59.7	35,100	**138,000 a**	112	61,300	38,200 a	72.2	100,000	100,000	NVG
Pyrene	968	825	660	1,680	ND	27.8 J	1,390	139	33,800	27,300 a	254	93,900	21,400 a	56.8	32,900	82,800 b	208	5,120	15,100 a	25.4 J	3,780	25,500 a	789	2,440	28,500 a	1,800	7,560	60,200 b	95.7	43,900	**168,000 a**	110	47,200	34,200 a	86.7	100,000	100,000	NVG
Total SVOC	**6,231.40**	**8,110**	**4,305.30**	**10,493.20**	**ND**	**283.60**	**8,867.60**	**869.6**	**214,115**	**162,490**	**1,965.6**	**599,730.9**	**148,539.9**	**398.7**	**198,408**	**440,875**	**1,604**	**33,960.80**	**142,968**	**91.3**	**24,516.20**	**184,816**	**6,419.2**	**18,132.8**	**210,771.1**	**14,689**	**54,078.4**	**315,937**	**637.8**	**273,392.8**	**893,300**	**739.8**	**345,032**	**242,688**	**592.2**	**NA**	**NA**	**100,000**

Notes:

ug/Kg - micrograms per kilogram or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
EP-X is a duplicate of EP-1
EP-XXX is a duplicate of EP-3RE
a - Result is from Run #2
b - Result is from Run #2
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives*
***6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; Table 375-6.8(b): Residential Restricted Use Soil Cleanup Objectives*
****Track 4 Site Specific Soil Action Levels, Remedial Action Work Plan, June 2009.*

Bold indicates exceedance of Track 1 Soil Cleanup Objectives

Bold and Boxed indicates exceedance of Track 1 and 2 Soil Cleanup Objectives

Bold and italicized indicates exceedance of Track 4 Site Specific Soil Action Levels

Table 4 (pg. 2 of 2)

Validated Analytical Results for Semi-Volatile Organic Compounds In Soil Excavation Endpoint Samples
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue
Bronx, New York
BCP # C203043

Sample ID	EP-15	EP-15RE	EP-15RE2	EP-16	EP-16RE	EP-16RE2	EP-17	EP-17RE	EP-17RE2	EP-18	EP-18RE	EP-18RE2	EP-24	EP-25	EP-26	EP-27	EP-28	Field Blank	Field Blank	Field Blank	Field Blank	Part 375 - Track 1 Soil Cleanup Objectives*	Part 375 - Track 2 Soil Cleanup Objectives*	Track 4 Site Specific Soil Action Levels**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Liquid	Liquid	Liquid	Liquid			
Depth (feet)	2.5	6	10	2.5	6	10	2.5	6	10	2.5	6	10	22	22	22	22	22							
Date Sampled	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2019	4/14/2010	4/14/2010	4/14/2010	4/14/2010	4/14/2010	3/23/2010	3/31/2010	4/7/2010	4/14/2010			
Semi-Volatile Organic Compounds																								
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/L	µg/L	µg/L	µg/L	µg/kg	µg/kg	µg/kg
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dinitrophenol	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND	ND UJ	ND UJ	NVG	NVG	NVG
4,6-Dinitro-o-cresol	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND	ND UJ	ND	NVG	NVG	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3+4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Nitrophenol	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND	ND	ND UJ	NVG	NVG	NVG
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	NVG	NVG
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	NVG	NVG
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Acenaphthene	5,350	12,100 b	ND	234	16,000 b	40.2	4,120	5,860	77.0	11,200	1,960	12.6 J	ND	25.6 J	ND	ND	ND	ND	ND	ND	ND	20,000	100,000	NVG
Acenaphthylene	475	377	ND	536	646	ND	475	293	ND	649	405	23.9 J	ND	13.8 J	ND	ND	ND	ND	ND	ND	ND	100,000	100,000	NVG
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Anthracene	10,300	24,000 b	ND	916	32,400 b	73.6	8,980	11,000 b	159	22,500	4,850 a	48.1	ND	82.0	ND	62.2	ND	ND	ND	ND	ND	100,000	100,000	NVG
Atrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	NVG	NVG	NVG
Benzo(a)anthracene	**23,600**	**45,700 b**	20.3 J	**2,830**	**55,400 b**	162	**21,000**	**20,500 b**	235	**46,600**	**10,600 a**	209	15.7 J	189	31.3 J	132	55.0	ND	ND	ND	ND	1,000	1,000	NVG
Benzo(a)pyrene	**21,100**	**40,100 b**	16.2 J	**3,290**	**49,300 b**	164	**19,700**	**18,400 b**	234	**40,900**	**10,000 a**	235	ND	224	37.3	150	59.5	ND	ND	ND	ND	1,000	1,000	NVG
Benzo(b)fluoranthene	**26,400**	**45,300 b**	ND	**3,970**	**55,200 b**	190	**23,900**	**22,400 b**	245	**50,100**	**11,700 a**	264	ND	239	36.4	147	51.8	ND	ND	ND	ND	1,000	1,000	NVG
Benzo(g,h,i)perylene	11,900	18,800 b	18.1 J	2,060	21,900 b	106	11,200	10,500	159	21,700	5,340 a	179	ND	164	29.0 J	112	60.0	ND	ND	ND	ND	100,000	100,000	NVG
Benzo(k)fluoranthene	**8,140**	**17,900 b**	ND	**1,310**	**23,200 b**	71.1	**7,300**	**7,890**	97.2	**15,200**	**3,940**	91.6	ND	116	20.7 J	78.5	44.7	ND	ND	ND	ND	800	3,900	NVG
4-Bromophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Butyl benzyl phthalate	ND	ND	ND	6,240	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1' -Biphenyl	186	426	ND	17.1 J	620	ND	126 J	230	ND	420	74.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Carbazole	5,280	12,500 b	ND	359	14,700 b	37.2 J	4,030	5,860	55.4 J	11,500	2,150	20.3 J	ND	29.6 J	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Chrysene	**20,900**	**37,600 b**	26.2 J	**2,660**	**46,100 b**	175	**18,400**	**17,700 b**	244	**40,400**	**8,990 a**	235	21.9 J	210	40.1	140.0	63.5	ND	ND	ND	ND	1,000	3,900	NVG
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibenzo(a,h)anthracene	**4,860**	**7,580**	ND	**668**	**7,900 b**	53.4	**4,720**	**3,730**	56.1	**7,150**	**1,600**	60.0	ND	44.5	ND	24.1 J	ND	ND	ND	ND	ND	330	330	NVG
Dibenzofuran	1,970	4,560	ND	118	6,620	21.5 J	1,360	2,410	26.9 J	4,810	790	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Di-n-butyl phthalate	ND	ND	ND	192	ND	ND	ND	ND	ND	ND	94.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Ethylhexyl)phthalate	654	ND	ND	497	ND	ND	603	ND	ND	734	322	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Fluoranthene	52,600	94,700 b	31.7	5,460	**121,000 b**	389	43,400	41,400 b	634	**106,000**	20,700 a	439	25.7 J	434	65.8	313	113	ND	ND	ND	ND	100,000	100,000	NVG
Fluorene	3,680	8,440	ND	243	12,100 b	29.6 J	2,860	4,360	49.6	8,350	1,490	ND	ND	ND	ND	15.5 J	ND	ND	ND	ND	ND	30,000	100,000	NVG
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Indeno(1,2,3-cd)pyrene	**11,400**	**19,300 b**	ND	**1,910**	**22,300 b**	89.2	**10,900**	**8,480 b**	136	**20,800**	**4,740 a**	147	ND	134	20.3 J	75.7	33.7 J	ND	ND	ND	ND	500	500	NVG
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Methylnaphthalene	552	1,400	ND	50.2 J	1,970	ND	351	724	ND	1,290	219	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Naphthalene	1,330	3,780	ND	77.3	5,430	ND	833	1,870	14.9 J	3,430	508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	100,000	NVG
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Phenanthrene	38,900	80,100 b	17.6 J	3,230	**109,000 b**	297	29,900	36,200 b	538	82,600	15,300 a	215	ND	233	35.2	197	57.8	ND	ND	ND	ND	100,000	100,000	NVG
Pyrene	46,400	**118,000 b**	38.5	5,370	**136,000 b**	288	39,600	54,200 b	462	94,900	23,600 a	377	22.6 J	305	50.9	229	88.6	ND	ND	ND	ND	100,000	100,000	NVG
Total SVOC	**295,977**	**592,663**	**168.6**	**42,237.60**	**737,786.00**	**2,186.8**	**253,758**	**274,007**	**3,423.1**	**591,233**	**129,373.5**	**2,556.5**	**85.9**	**2,443.5**	**367**	**1,676**	**627.6**	**ND**	**ND**	**ND**	**ND**	**NA**	**NA**	**100,000**

Notes:
micrograms per kilogram or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Bold indicates exceedance of Track 1 Soil Cleanup Objectives
Bold and Boxed indicates exceedance of Track 1 and 2 Soil Cleanup Objectives

TABLE 5
Validated Analytical Results for Metals In Soil Excavation Endpoint Samples
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue
Bronx, New York
BCP # C203043

Sample ID	EP-1	EP-X	EP-2	EP-3	EP-4	EP-5	EP-6	EP-7	EP-8	EP-9	EP-10	EP-11	EP-12	EP-12 RE	EP-12RE2	EP-13	EP-13 RE	EP-13RE2	EP-14	EP-15	EP-16	EP-16RE	EP-16RE2	EP-17	EP-18	EP-24	EP-25	EP-26	EP-27	EP-28	Field Blank	Field Blank	Field Blank	Part 375 - Track 1	Part 375 - Track 2	Track 4 Site Specific Soil Action Levels***
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Liquid	Liquid	Liquid	Soil Cleanup Objectives*	Soil Cleanup Objectives**	
Depth (feet)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	6	10	2.5	6	10	2.5	2.5	2.5	6	10	2.5	2.5	22	22	22	22	22						
Date Sampled	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/23/2010	3/23/2010	3/31/2010	4/7/2010	3/23/2010	3/23/2010	4/14/2010	4/14/2010	4/14/2010	4/14/2010	4/14/2010	3/23/2010	4/7/2010	4/14/2010			
Metals																																				
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L	ug/L	mg/kg	mg/kg	mg/kg
Lead	**123 J**	**115 J**	44.2 J	**78.8 J**	**80.0 J**	22.6 J	**298 J**	**534 J**	**380 J**	**277 J**	**452 J**	**328 J**	***700 J***	***4,980***	39.7 J	***625 J***	***1,360***	32.6 J	**451 J**	**205 J**	***695 J***	***1,040***	36.1 J	**379 J**	**236 J**	13.4	51.0	60.8	37.8	5.6	<3.0	<3.0 UJ	<3.0	63	400	590

Notes:
mg/kg - milligrams per kilogram or parts per million
EP-X is a duplicate of EP-1
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
UJ - The analyte was not detected above the reported sample quantitation limit.
However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives*
***6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; Table 375-6.8(b): Residential Restricted Use Soil Cleanup Objectives*
****Track 4 Site Specific Soil Action Levels, Remedial Action Work Plan, June 2009.*
Bold indicates exceedance of Track 1 Soil Cleanup Objectives
Bold and boxed indicates exceedance of Track 2 Soil Cleanup Objectives
Boxed, bold, and italicized indicates exceedance of Track 4 Site-Specific Soil Action Levels

Table 10

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-X**	Field Blank 2/25	Trip Blank	NYSDEC TOGs*
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	liquid	
Date Sampled	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	
Volatile Organic Compounds									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	11.2	3.5 J	ND	ND	ND	9.8 J	ND	ND	50
Benzene	**3.3**	ND	ND	ND	ND	**3.5**	ND	ND	1
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	1.7	ND	ND	ND	ND	ND	50
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	2.7 J	1.1 J	ND	ND	ND	2.9 J	ND	ND	5
tert-Butylbenzene	2.0 J	ND	ND	ND	ND	2.0 J	ND	ND	5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	1.4	ND	ND	ND	ND	1.7	ND	ND	5
Chloroform	0.33 J	ND	**23.4**	ND	1.1	0.31 J	ND	ND	7
Chloromethane	1.2	ND	ND	ND	ND	1.3	ND	ND	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
Ethylbenzene	4.1	ND	ND	ND	ND	4.3	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	**22.5**	0.43 J	ND	ND	ND	**23.8**	ND	ND	5
p-Isopropyltoluene	0.63 J	0.58 J	ND	ND	ND	0.66 J	ND	ND	5
Methyl Tert Butyl Ether	0.41 J	ND	ND	ND	ND	0.44 J	ND	ND	10
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	6.7	ND	ND	ND	ND	6.8	ND	ND	10
n-Propylbenzene	**20.1**	0.33 J	ND	ND	ND	**21.0**	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
Toluene	1.1	ND	ND	ND	ND	1.2	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trimethylbenzene	**8.3**	ND	ND	ND	ND	**8.6**	ND	ND	5
1,3,5-Trimethylbenzene	**6.4**	ND	ND	ND	ND	**6.9**	ND	ND	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	2
m,p-Xylene	2.0	ND	ND	ND	ND	2.1	ND	ND	5
o-Xylene	1.2	ND	ND	ND	ND	1.2	ND	ND	5
Xylene (total)	3.2	ND	ND	ND	ND	3.3	ND	ND	5

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

*** MW-X is a duplicate of MW-1*

Boxed and bold indicates exceedance groundwater standards or guidance values

Table 11

Validated Analytical Results for Semi-Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-X**	Field Blank 2/25	NYSDEC TOGS*
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	
Semi-Volatile Organic Compounds								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	ND	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	5
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	50
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	10
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	1
3+4-Methylphenols	ND	ND	ND	ND	ND	ND	ND	1
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	NVG
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	NVG
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	NVG
Phenol	ND	ND	ND	ND	ND	ND	ND	1
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	NVG
Acenaphthene	0.58 J	0.87 J	ND	ND	ND	0.50 J	ND	20
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	NVG
Acetophenone	ND	ND	ND	ND	ND	ND	ND	NVG
Anthracene	ND	ND	ND	ND	ND	ND	ND	50
Atrazine	ND	ND	ND	ND	ND	ND	ND	7.5
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	NVG
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.002
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	NVG
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	50
1,1' -Biphenyl	ND	1.0 J	ND	ND	ND	ND	ND	5
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	10
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	5
Carbazole	ND	ND	ND	ND	ND	ND	ND	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	ND	NVG
Chrysene	ND	ND	ND	ND	ND	ND	ND	0.002
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	5
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	1
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	NVG
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	ND	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	5
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	5
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	NVG
Dibenzofuran	0.61 J	0.64 J	ND	ND	ND	0.60 J	ND	NVG
Di-n-butylphthalate	ND	ND	ND	ND	ND	1.2 J	ND	50
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	50
Diethylphthalate	ND	ND	ND	ND	ND	ND	ND	50
Dimethylphthalate	ND	ND	ND	ND	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	**43.8**	ND	ND	ND	ND	**46.3**	ND	5
Fluoranthene	ND	0.48 J	0.47 J	ND	ND	ND	ND	50
Fluorene	0.96 J	1.2	ND	ND	ND	0.91 J	ND	50
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	0.5
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	5
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.002
Isophorone	ND	ND	ND	ND	ND	ND	ND	50
2-Methylnaphthalene	6.8	ND	ND	ND	ND	10.2	ND	NGV
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	5
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	5
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	2.4	ND	ND	ND	ND	3.2	ND	10
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	0.4
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	50
Phenanthrene	0.75 J	1.3	ND	ND	ND	0.73 J	ND	50
Pyrene	ND	ND	ND	ND	ND	ND	ND	50

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

B - Analyte found in associated method blank

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

** MW-X is a duplicate of MW-1

Boxed and bold indicates exceedance of groundwater standards or guidance values

Table 12

Validated Analytical Results for Pesticides In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-X****	**Field Blank 2/25**	**NYSDEC TOGS***
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	
Pesticides								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	0.01
beta-BHC	ND	ND	ND	ND	ND	ND	ND	0.04
delta-BHC	ND	ND	ND	ND	ND	ND	ND	0.04
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	0.05
alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	0.05
gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND	0.05
Dieldrin	ND	ND	ND	ND	ND	ND	ND	0.004
4,4-DDD	ND	ND	ND	ND	ND	ND	ND	0.3
4,4-DDE	ND	ND	ND	ND	ND	ND	ND	0.2
4,4-DDT	ND	ND	ND	ND	ND	ND	ND	0.2
Endrin	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	ND	ND	ND	ND	ND	ND	ND	NVG
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	5
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	NVG
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	NVG
Heptachlor	ND	ND	ND	ND	ND	ND	ND	0.04
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	0.03
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	35
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	5
Toxaphene	ND	ND	ND	ND	ND	ND	ND	0.06

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*
** MW-X is a duplicate of MW-1

Table 13

Validated Analytical Results for PCBs In Groundwater

Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-X*** **	**Field Blank 2/25**	**NYSDEC**
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	**TOGS****
Date Sampled	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	
PCBs								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1221	ND	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1232	ND	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1242	ND	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1248	ND	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1254	ND	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1260	ND	ND	ND	ND	ND	ND	ND	0.09 *

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
** Applies to the sum of these compounds*

***NYSDEC Technical and Operational Guidance Series (1.1.1)*
Ambient Water Quality Standards and Guidance Values
and Groundwater Effluent Limitations; June 1998
**** MW-X is a duplicate of MW-1*

Table 14

Validated Analytical Results for Total and Dissolved Metals In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-X**	Field Blank 2/25	NYSDEC
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	TOGS*
Date Sampled	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	2/25/2009	
Total Metals								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	67,900 J	651 J	2,920 J	5,370 J	4,970 J	40,900 J	ND	NVG
Antimony	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	18.2 J	ND UJ	ND UJ	ND UJ	ND UJ	10.7 J	ND UJ	25
Barium	790	ND	ND	ND	ND	482	ND	1,000
Berylium	1.4	ND	ND	ND	ND	ND UJ	ND	3
Cadmium	ND	ND	ND	ND	ND	ND	ND	5
Calcium	188,000	130,000	17600	65,200	103,000	123,000	ND	NVG
Chromium	**147**	ND	ND	10.8	12.4	**89.4**	ND	50
Cobalt	67.4	ND	ND	ND	ND	ND	ND	NVG
Copper	**263 J**	ND UJ	46.5 J	70.9 J	68.8 J	167 J	ND UJ	200
Iron	**138,000**	**1,130**	**5,240**	**9,220**	**9,180**	**81,200**	ND	300
Lead	**278 J**	ND	12.3	5.5	8.0	**157 J**	ND	25
Magnesium	**95,400**	25,200	ND	22,300	29,800	**54,600**	ND	35,000
Manganese	**5,460**	83.3	115	**748**	**381**	**4,010**	ND	300
Mercury	ND	ND	ND	ND	ND	ND	ND	0.7
Nickel	**141**	ND	ND	14.9	13.3	80.5	ND	100
Potassium	29,300	ND	ND	ND	ND	21,200	ND	NVG
Selenium	ND	ND	ND	ND	ND	ND	ND	10
Silver	ND	ND	ND	ND	ND	ND	ND	50
Sodium	**23,400**	**38,000**	ND	**27,500**	**69,800**	**21,600**	ND	20,000
Thallium	ND	ND	ND	ND	ND	ND	ND	0.5
Vanadium	183	ND	ND	ND	ND	109	ND	NVG
Zinc	457 J	ND UJ	ND UJ	40.4 J	46.6 J	265 J	ND UJ	2,000
Dissolved Metals								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	ND	ND	ND	2,250	ND	ND	ND	NVG
Antimony	ND	ND	ND	ND	ND	ND	ND	3
Arsenic	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	ND UJ	25
Barium	ND	ND	ND	ND	ND	ND	ND	1,000
Berylium	ND	ND	ND	ND	ND	ND	ND	3
Cadmium	ND	ND	ND	ND	ND	ND	ND	5
Calcium	93,000	130,000	19300	55,500	100,000	92,500	ND	NVG
Chromium	ND	ND	ND	ND	ND	ND	ND	50
Cobalt	ND	ND	ND	ND	ND	ND	ND	NVG
Copper	ND	ND	ND	50.7	ND	ND	ND	200
Iron	**2,350**	ND	ND	**3,990**	120	**2,670**	ND	300
Lead	11.8	ND	ND	ND	ND	11.7	ND	25
Magnesium	20,500	25,000	ND	16,500	24,800	20,400	ND	35,000
Manganese	**3,030**	59.9	ND	**314**	21.6	**3,110**	ND	300
Mercury	ND	ND	ND	ND	ND	ND	ND	0.7
Nickel	ND	ND	ND	ND	ND	ND	ND	100
Potassium	10,400	ND	ND	ND	ND	10,400	ND	NVG
Selenium	ND	ND	ND	ND	ND	ND	ND	10
Silver	ND	ND	ND	ND	ND	ND	ND	50
Sodium	**24,800**	**37,300**	ND	**23,500**	**70,800**	**24,600**	ND	20,000
Thallium	ND	ND	ND	ND	ND	ND	ND	0.5
Vanadium	ND	ND	ND	ND	ND	ND	ND	NVG
Zinc	ND	ND	ND	ND	ND	ND	ND	2,000

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

** MW-X is a duplicate of MW-1

Boxed and bold indicates exceedance of groundwater standards or guidance values

Table 15

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	Trip Blank	Trip Blank	NYSDEC TOGs*
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	liquid	liquid	
Date Sampled	8/3/2011	8/4/2011	8/3/2011	8/4/2011	8/3/2011	8/4/2011	8/3/2011	8/4/2011	
Volatile Organic Compounds									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	ND	ND	13.5	ND	13.1	ND	ND	ND	50
Benzene	ND	ND	**1.3**	ND	**1.4**	ND	ND	ND	1
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND	ND	5.3 J	**201**	6.3 J	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	0.79 J	ND	**8.8**	ND	**9.2**	ND	ND	ND	5
tert-Butylbenzene	ND	ND	1.3 J	ND	1.4 J	ND	ND	ND	5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	**16.4**	ND	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
Ethylbenzene	0.41 J	ND	**232**	ND	**239**	ND	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	0.87 J	ND	**43.8**	ND	**46**	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	**5.4**	ND	**5.7**	ND	ND	ND	5
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	10
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	**124**	ND	**125**	ND	ND	ND	10
n-Propylbenzene	1.2 J	ND	**101**	ND	**105**	ND	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
Toluene	ND	ND	**9.5**	ND	**9.5**	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trimethylbenzene	0.35 J	ND	**149**	ND	**160**	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	**87.1**	ND	**93.7**	ND	ND	ND	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	2
m,p-Xylene	ND	ND	**90.2**	ND	**92.7**	ND	ND	ND	5
o-Xylene	ND	ND	**9.3**	ND	**9.9**	ND	ND	ND	5
Xylene (total)	ND	ND	**99.5**	ND	**103**	ND	ND	ND	5

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

*** MW-XX is a duplicate of MW-8*

Boxed and bold indicates exceedance groundwater standards or guidance values

Table 16

Validated Analytical Results for Semi-Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	NYSDEC TOGS*
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	8/3/2011	8/4/2011	8/3/2011	8/4/2011	8/3/2011	8/4/2011	
Semi-Volatile Organic Compounds							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2-Chlorophenol	ND	ND	ND	ND	ND	ND	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	5
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	50
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	10
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	1
3+4-Methylphenols	ND	ND	ND	ND	ND	ND	1
2-Nitrophenol	ND	ND	ND	ND	ND	ND	NVG
4-Nitrophenol	ND	ND	ND	ND	ND	ND	NVG
Pentachlorophenol	ND	ND	ND	ND	ND	ND	NVG
Phenol	ND	ND	ND	ND	ND	ND	1
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	NVG
Acenaphthene	ND	ND	2.5	ND	2.4	ND	20
Acenaphthylene	ND	ND	ND	ND	ND	ND	NVG
Acetophenone	ND	ND	ND	ND	ND	ND	NVG
Anthracene	ND	ND	ND	ND	ND	ND	50
Atrazine	ND	ND	ND	ND	ND	ND	7.5
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	NVG
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	0.002
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	NVG
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	50
1,1' -Biphenyl	ND	ND	ND	ND	ND	ND	5
Benzaldehyde	ND	ND	ND	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	10
4-Chloroaniline	ND	ND	ND	ND	ND	ND	5
Carbazole	ND	ND	ND	ND	ND	ND	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	NVG
Chrysene	ND	ND	ND	ND	ND	ND	0.002
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	5
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	1
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	NVG
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	5
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	5
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	NVG
Dibenzofuran	ND	ND	1.6 J	ND	1.8 J	ND	NVG
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	50
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	50
Diethylphthalate	ND	ND	ND	ND	ND	ND	50
Dimethylphthalate	ND	ND	ND	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	ND	1.3 BJ	ND	1.5 J	ND	ND	5
Fluoranthene	ND	ND	0.75 J	ND	0.75 J	ND	50
Fluorene	ND	ND	1.7	ND	1.8	ND	50
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	0.5
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	5
Hexachloroethane	ND	ND	ND	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	0.002
Isophorone	ND	ND	ND	ND	ND	ND	50
2-Methylnaphthalene	ND	ND	13.4	ND	20.5	ND	NGV
2-Nitroaniline	ND	ND	ND	ND	ND	ND	5
3-Nitroaniline	ND	ND	ND	ND	ND	ND	5
4-Nitroaniline	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	**24.1**	ND	**30.4**	ND	10
Nitrobenzene	ND	ND	ND	ND	ND	ND	0.4
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	50
Phenanthrene	ND	ND	ND	ND	ND	ND	50
Pyrene	ND	ND	0.51 J	ND	0.57 J	ND	50

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

B - Analyte found in associated method blank

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

** MW-XX is a duplicate of MW-8

Boxed and bold indicates exceedance of groundwater standards or guidance values

Table 17

Validated Analytical Results for PCBs In Groundwater

Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-XX****	**Field Blank**	**NYSDEC TOGS***
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	8/3/2011	8/4/2011	8/3/2011	8/4/2011	8/3/2011	8/4/2011	
PCBs							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1221	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1232	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1242	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1248	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1254	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1260	ND	ND	ND	ND	ND	ND	0.09 *

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
** Applies to the sum of these compounds*

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*
*** MW-X is a duplicate of MW-8*

Table 18
Validated Analytical Results for Metals In Groundwater
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-XX****	**Field Blank**	**NYSDEC TOGS***
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	8/3/2011	8/4/2011	8/3/2011	8/4/2011	8/3/2011	8/4/2011	
Total Metals							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	1,700	358	3,750	2,090	2,980	<200	NVG
Antimony	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	3
Arsenic	<3.0	<3.0	6.2	<3.0	6.4	<3.0	25
Barium	<200	<200	<200	<200	<200	<200	1,000
Berylium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Cadmium	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
Calcium	29,100	135,000	119,000	368,000	120,000	<5,000	NVG
Chromium	<10	<10	15.3	137	12.7	<10	50
Cobalt	<50	<50	<50	<50	<50	<50	NVG
Copper	<10	<10	11.5	22.9	<10	<10	200
Iron	**2,420**	**819**	**8,500**	**4,070**	**6,970**	<100	300
Lead	<3.0	<3.0	**25.4**	13.5	20.8	<3.0	25
Magnesium	<5,000	28,400	**35,800**	13,400	**35,600**	<5,000	35,000
Manganese	192	101	**2,590**	**337**	**2,580**	<15	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.7
Nickel	<10	<10	14.7	65.7	11.7	<10	100
Potassium	<10,000	<10,000	<10,000	76,700	<10,000	<10,000	NVG
Selenium	<10	<10	<10	<10	<10	<10	10
Silver	<10	<10	<10	<10	<10	<10	50
Sodium	**28,100**	**62,800**	**70,900**	**88,300**	**71,900**	<10,000	20,000
Thallium	<10	<10	<10	<10	<10	<10	0.5
Vanadium	<50	<50	<50	<50	<50	<50	NVG
Zinc	<20	<20	25.1	40.2	<20	<20	2,000
Chromium, Hexavalent	<0.010 [a]	<0.010 [a]	<0.010 [a]	<0.010 [a]	<0.010 [a]	<0.010 [a]	50
Chromium, Trivalent	<0.020 [b]	<0.020 [b]	<0.020 [b]	0.14 [b]	<0.020 [b]	<0.020 [b]	50

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*
** MW-X is a duplicate of MW-8

Boxed and bold indicates exceedance of groundwater standards or guidance values

APPENDICES

APPENDIX A

Metes and Bounds

MONTROSE
SURVEYING CO., LLP.

CITY & LAND SURVEYORS

116-20 METROPOLITAN AVE • RICHMOND HILL, NY 11418-1090
PHONE (718) 849-0600 • FAX (718) 849-0401 • EMAIL INFO @MONTROSESURVEYING.COM

Legal Description (Metes and Bounds)
Parcels A, B & C
New Housing New York Legacy Project
700-730 Brook Avenue
Bronx, NY

MSC Survey No. 62510-1
Tax Block 2359 Tentative Tax Lots 2, 9002, 40 & 50

ALL that certain plot, piece or parcel of land situate laying and being in the Borough and County of The Bronx, City and State of New York bounded and described as follows:

BEGINNING at the corner formed by the intersection of the southerly side of East 156th Street (70 feet wide) with the easterly side of Brook Avenue (80 feet wide);

RUNNING THENCE easterly, along the southerly side of E. 156th Street, 81.10 feet to a point;

RUNNING THENCE southerly, along a line forming an angle of 103 degrees 44 minutes 20 seconds on the southwest, with the southerly side of East 156th Street, 476.67 feet to a point;

RUNNING THENCE westerly, along a line forming an angle of 89 degrees 41 minutes 26 seconds on the northwest, with the last mentioned course, 40.33 feet to a point;

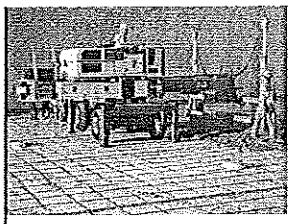
RUNNING THENCE southerly, along a line forming an angle of 89 degrees 41 minutes 24seconds on the southeast with the last mentioned course, 17.00 feet to a point;

RUNNING THENCE westerly, along a line forming an angle of 89 degrees 41 minutes 24 seconds on the northwest with the last mentioned course, 143.70 feet to the easterly side of Brook Avenue;

RUNNING THENCE northerly, along the easterly side of Brook Avenue, 522.64 feet to the corner, the point or place of BEGINNING.

APPENDIX B

Vapor Barrier Specifications



Stego® Wrap Vapor Barrier

STEGO INDUSTRIES, LLC

Vapor Retarders
07260, 03300

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

Product Description
USES: Stego Wrap Vapor Barrier is used as a true below-slab vapor barrier, and as a protection course for below grade waterproofing applications.
COMPOSITION: Stego Wrap Vapor Barrier is a multi-layer plastic extrusion manufactured with only the highest grade of prime, virgin, polyolefin resins.
ENVIRONMENTAL FACTORS:
Stego Wrap Vapor Barrier can be used in systems for the control of soil gases (radon, methane), soil poisons (oil by-products) and sulfates.

Installation
UNDER SLAB: Unroll Stego Wrap Vapor Barrier over an aggregate, sand or tamped earth base. Overlap all seams a minimum of six inches and tape using Stego Tape. All penetrations must be sealed using a combination of Stego Wrap Vapor Barrier, Stego Tape and/or Stego Mastic.

VERTICAL WALL: Install Stego Wrap Vapor Barrier over the waterproofing membrane while still tacky. Mechanically fasten Stego Wrap Vapor Barrier to the wall at the top with termination bar and concrete nails. Drape Stego Wrap Vapor Barrier down across the footer and under the french drain.

Availability & Cost
Stego Wrap Vapor Barrier is available nationally via building supply distributors. For current cost information, contact your local Stego Wrap distributor or Stego Industries' sales department.

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.

Maintenance
None required.

Technical Services
Technical advice, custom CAD drawings, and additional information can be obtained by contacting Stego Industries' technical assistance department or via the website.

Filing Systems
- Stego Industries' website
- Buildsite
- GreenFormat
- 4Specs

Technical Data

TABLE 1: PHYSICAL PROPERTIES OF STEGO WRAP 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	0.0084 perms *0.0035 WVTR
Puncture Resistance	ASTM D 1709 – Test Methods for Impact Resistance of Plastic Film by Free-Falling Dart Method	2326 grams
Tensile Strength	ASTM D 882 – Test Method for Tensile Properties of Thin Plastic Sheeting	79.6 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	0.0091 perms 0.0092 perms 0.0089 perms 0.0092 perms
Methane Transmission Rate	ASTM D 1434 – Standard Test Method for Determining Gas Permeability Characteristics of Plastic Film and Sheeting	**149.6 GTR 2.12×10^{-6} perms
Radon Diffusion Coefficient		$1.3 \times 10^{-13} m^2$/second
Chemical Resistance	ASTM E 154 – Test Methods for Water Vapor Retarders Used in Contact with Earth under Concrete Slabs, on Walls, or as Ground Cover	Unaffected
Life Expectancy	ASTM E 154 - Test Methods for Water Vapor Retarders Used in Contact with Earth under Concrete Slabs, on Walls, or as Ground Cover	Indefinite
Thickness	ACI 302.1R-04 – Minimum Thickness (10 mils)	15 mils
Roll Dimensions		14 ft. wide x 140 ft. long or 1,960 ft^2
Roll Weight		140 lbs.

Note: perm unit = grains/(ft^2 *hr* in.Hg) * WVTR = Water Vapor Transmission Rate ** GTR = Gas Transmission Rate

Stego, the stegosaurus logo, and the yellow product color are registered trademarks of Stego Industries.

APPENDIX C

Environmental Easement

New York State Department of Environmental Conservation
Office of General Counsel, 14th Floor
625 Broadway, Albany, New York 12233-1500
Fax: (518) 402-9018 or (518) 402-9019
Website: www.dec.ny.gov

Joe Martens
Commissioner

December 06, 2011

Fatmata Jalloh
Legal Assistant
Hirschen, Singer & Epstein LLP
902 Broadway
New York, NY 10010

Re: Site No. C203043
New Housing New York Legacy Project Site

Dear Ms Jalloh,

Enclosed please find an originally-executed Environmental Easement covering the above – referenced property, which was accepted by the Department. Please have the easement, survey and the enclosed TP 584 form recorded in the City of New York City Register's Office, in the manner prescribed by New York State Property Law Article 9 and Environmental Conservation Law Article 71, Title 36. Once the Environmental Easement is recorded, the local municipality will need to be notified as well as the Notice to any parties identified as having an interest in the property, as set forth in Schedule "B" of the Title Commitment.

Please return a copy of the recorded easement marked by the City Register's Office with the date and location of recording, executed title affidavits (if applicable), a certified copy of the municipal notice, copy of notice for any interested parties along with proof of service and recording on the same, with the final title insurance policy to my attention. The information from the recorded easement, policy and recorded notices are necessary to process the Certificate of Completion. However, be advised that failure to receive the additional documents requested above within thirty days of the filing of the easement may result in revocation of Certificate of Completion.

If you have any questions, or if you need further assistance with this matter, do not hesitate to contact me.

Very truly yours,

Yvonne M. Ward
Senior Attorney

Enclosure: Environmental Easement
TP 584

TP-584 (3/07)

Recording office time stamp

New York State Department of Taxation and Finance

Combined Real Estate Transfer Tax Return, Credit Line Mortgage Certificate, and Certification of Exemption from the Payment of Estimated Personal Income Tax

See Form TP-584, Instructions for Form TP-584, before completing this form. Please print or type.

Schedule A — Information relating to conveyance

Grantor/Transferor ☐ Individual ☑ Corporation ☐ Partnership ☐ Estate/Trust ☐ Other	Name *(if individual; last, first, middle initial)* VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION			Social security number
	Mailing address 902 BROADWAY, 13TH FLOOR			Social security number
	City NEW YORK	State NY	ZIP code 10010	Federal employer ident. number 27 1028651
Grantee/Transferee ☐ Individual ☐ Corporation ☐ Partnership ☐ Estate/Trust ☑ Other	Name *(if individual: last, first, middle initial)* THE PEOPLE OF THE STATE OF NEW YORK THROUGH NYSDEC			Social security number
	Mailing address 625 BROADWAY			Social security number
	City ALBANY	State NY	ZIP code 12233	Federal employer ident. number 14 6013200

Location and description of property conveyed

Tax map designation			Address	City/village	Town	County
Section	Block	Lot				
2	2359	1001	700 BROOK AVENUE Unit CO-OP	NEW YORK		BRONX

Type of property conveyed *(check applicable box)*

1 ☐ One- to three-family house
2 ☑ Residential cooperative
3 ☐ Residential condominium
4 ☐ Vacant land
5 ☐ Commercial/Industrial
6 ☐ Apartment building
7 ☐ Office building
8 ☐ Other _____

Date of conveyance: 12 (month) 1 (day) 2011 (year)

Percentage of real property conveyed which is residential real property 100 % *(see instructions)*

Condition of conveyance *(check all that apply)*

a. ☐ Conveyance of fee interest
b. ☐ Acquisition of a controlling interest (state percentage acquired _____ %)
c. ☐ Transfer of a controlling interest (state percentage transferred _____ %)
d. ☐ Conveyance to cooperative housing corporation
e. ☐ Conveyance pursuant to or in lieu of foreclosure or enforcement of security interest *(attach Form TP-584.1, Schedule E)*
f. ☐ Conveyance which consists of a mere change of identify or form of ownership or organization *(attach Form TP-584.1, Schedule F)*
g. ☐ Conveyance for which credit for tax previously paid will be claimed *(attach Form TP-584.1, Schedule G)*
h. ☐ Conveyance of cooperative apartment(s)
i. ☐ Syndication
j. ☐ Conveyance of air rights or development rights
k. ☐ Contract assignment
l. ☐ Option assignment or surrender
m. ☐ Leasehold assignment or surrender
n. ☐ Leasehold grant
o. ☐ Conveyance of an easement
p. ☐ Conveyance for which exemption from transfer tax claimed *(complete Schedule B, Part III)*
q. ☐ Conveyance of property partly within and partly outside the state
r. ☑ Other *(describe)* ENVIRONMENTAL EASEMENT

For recording officer's use	Amount received Schedule B., Part I $ Schedule B., Part II $	Date received	Transaction number

2011112900410301O1

TP - 584 Location and description of property conveyed

ATTACHMENT

Tax map designation			Address	City/village	Town	County
Section	Block	Lot				
2	2359	1002	700 BROOK AVENUE Unit RES.	NEW YORK		BRONX
2	2359	1003	700 BROOK AVENUE Unit COM.F	NEW YORK		BRONX
2	2359	1004	700 BROOK AVENUE Unit COMM.	NEW YORK		BRONX
2	2359	51	529 WESTCHESTER AVENUE	NEW YORK		BRONX

Schedule B — Real estate transfer tax return (Tax Law, Article 31)

Part I – Computation of tax due

1	Enter amount of consideration for the conveyance *(if you are claiming a total exemption from tax, check the exemption claimed box, enter consideration and proceed to Part III)* ☐ **Exemption claimed**	1. 0 00
2	Continuing lien deduction *(see instructions if property is taken subject to mortgage or lien)*	2. 0 00
3	Taxable consideration *(subtract line 2 from line 1)*	3. 0 00
4	Tax: $2 for each $500, or fractional part thereof, of consideration on line 3	4. 0 00
5	Amount of credit claimed *(see instructions and attach Form TP-584.1,* Schedule G*)*	5. 0 00
6	Total tax due* *(subtract line 5 from line 4)*	6. 0 00

Part II – Computation of additional tax due on the conveyance of residential real property for $1 million or more

1	Enter amount of consideration for conveyance *(from* Part I*, line 1)*	1. 0 00
2	Taxable consideration *(multiply line 1 by the percentage of the premises which is residential real property, as shown in* Schedule A*)*	2. 0 00
3	Total additional transfer tax due* *(multiply line 2 by 1% (.01))*	3. 0 00

Part III – Explanation of exemption claimed on Part I, line 1 *(check any boxes that apply)*

The conveyance of real property is exempt from the real estate transfer tax for the following reason:

a. Conveyance is to the United Nations, the United States of America, the state of New York, or any of their instrumentalities, agencies, or political subdivisions (or any public corporation, including a public corporation created pursuant to agreement or compact with another state or Canada) ..... a ☐

b. Conveyance is to secure a debt or other obligation ..... b ☐

c. Conveyance is without additional consideration to confirm, correct, modify, or supplement a prior conveyance ..... c ☐

d. Conveyance of real property is without consideration and not in connection with a sale, including conveyances conveying realty as bona fide gifts ..... d ☐

e. Conveyance is given in connection with a tax sale ..... e ☐

f. Conveyance is a mere change of identity or form of ownership or organization where there is no change in beneficial ownership. (This exemption cannot be claimed for a conveyance to a cooperative housing corporation of real property comprising the cooperative dwelling or dwellings.) Attach Form TP-584.1, Schedule F ..... f ☐

g. Conveyance consists of deed of partition ..... g ☐

h. Conveyance is given pursuant to the federal Bankruptcy Act ..... h ☐

i. Conveyance consists of the execution of a contract to sell real property, without the use or occupancy of such property, or the granting of an option to purchase real property, without the use or occupancy of such property ..... i ☐

j. Conveyance of an option or contract to purchase real property with the use or occupancy of such property where the consideration is less than $200,000 and such property was used solely by the grantor as the grantor's personal residence and consists of a one-, two-, or three-family house, an individual residential condominium unit, or the sale of stock in a cooperative housing corporation in connection with the grant or transfer of a proprietary leasehold covering an individual residential cooperative apartment ..... j ☐

k. Conveyance is not a conveyance within the meaning of Tax Law, Article 31, section 1401(e) *(attach documents supporting such claim)* ..... k ☐

l. Other *(attach explanation)* ..... l ☐

*Please make check(s) payable to the county clerk where the recording is to take place. If the recording is to take place in New York City, make check(s) payable to the ***NYC Department of Finance.*** If a recording is not required, send this return and your check(s) made payable to the ***NYS Department of Taxation and Finance,*** directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

Schedule C — Credit Line Mortgage Certificate (Tax Law, Article 11)

Complete the following only if the interest being transferred is a fee simple interest.
I (we) certify that: *(check the appropriate box)*

1. ☑ The real property being sold or transferred is not subject to an outstanding credit line mortgage.

2. ☐ The real property being sold or transferred is subject to an outstanding credit line mortgage. However, an exemption from the tax is claimed for the following reason:
   - ☐ The transfer of real property is a transfer of a fee simple interest to a person or persons who held a fee simple interest in the real property (whether as a joint tenant, a tenant in common or otherwise) immediately before the transfer.
   - ☐ The transfer of real property is (A) to a person or persons related by blood, marriage or adoption to the original obligor or to one or more of the original obligors or (B) to a person or entity where 50% or more of the beneficial interest in such real property after the transfer is held by the transferor or such related person or persons (as in the case of a transfer to a trustee for the benefit of a minor or the transfer to a trust for the benefit of the transferor).
   - ☐ The transfer of real property is a transfer to a trustee in bankruptcy, a receiver, assignee, or other officer of a court.
   - ☐ The maximum principal amount secured by the credit line mortgage is $3,000,000 or more, and the real property being sold or transferred is **not** principally improved nor will it be improved by a one- to six-family owner-occupied residence or dwelling.

     Please note: for purposes of determining whether the maximum principal amount secured is $3,000,000 or more as described above, the amounts secured by two or more credit line mortgages may be aggregated under certain circumstances. See TSB-M-96(6)-R for more information regarding these aggregation requirements.
   - ☐ Other *(attach detailed explanation)*.

3. ☐ The real property being transferred is presently subject to an outstanding credit line mortgage. However, no tax is due for the following reason:
   - ☐ A certificate of discharge of the credit line mortgage is being offered at the time of recording the deed.
   - ☐ A check has been drawn payable for transmission to the credit line mortgagee or his agent for the balance due, and a satisfaction of such mortgage will be recorded as soon as it is available.

4. ☐ The real property being transferred is subject to an outstanding credit line mortgage recorded in _____ (insert liber and page or reel or other identification of the mortgage). The maximum principal amount of debt or obligation secured by the mortgage is _____. No exemption from tax is claimed and the tax of _____ is being paid herewith. *(Make check payable to county clerk where deed will be recorded or, if the recording is to take place in New York City, make check payable to the **NYC Department of Finance.**)*

Signature (both the grantor(s) and grantee(s) must sign)

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance. NEW YORK STATE - DEPARTMENT OF ENVIRONMENTAL CONSERVATION OGC

Grantor signature	Title	Grantee signature	Title
[signature]	VP	[signature] Yvonne M. Warner	SENIOR ATTORNEY
[signature]	VP		

Reminder: Did you complete all of the required information in Schedules A, B, and C? Are you required to complete Schedule D? If you checked *e*, *f*, or *g* in Schedule A, did you complete Form TP-584.1? Have you attached your check(s) made payable to the county clerk where recording will take place or, if the recording is in New York City, to the ***NYC Department of Finance***? If no recording is required, send your check(s), made payable to the ***Department of Taxation and Finance***, directly to the NYS Tax Department, RETT Return Processing, PO Box 5045, Albany NY 12205-5045.

Signature (both the grantor(s) and grantee(s) must sign)

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

Grantor signature	Title	Grantee signature	Title
[signature]	VP	NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION — OGC	
[signature]	VP	[signature]	SENIOR ATTORNEY

2011112900410301

Signature (both the grantor(s) and grantee(s) must sign)

The undersigned certify that the above information contained in schedules A, B, and C, including any return, certification, schedule, or attachment, is to the best of his/her knowledge, true and complete, and authorize the person(s) submitting such form on their behalf to receive a copy for purposes of recording the deed or other instrument effecting the conveyance.

Grantor Signature	Title	Grantee Signature	Title
		NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION - DEC	
		Grantee Signature	SENIOR ATTORNEY
Grantor Signature	Title	Grantee Signature	Title
Grantor Signature	Title	Grantee Signature	Title
Grantor Signature	Title	Grantee Signature	Title
Grantor Signature	Title	Grantee Signature	Title
Grantor Signature	Title	Grantee Signature	Title
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Grantor Signature	Title	Grantee Signature	Title

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 5th day of December, 20 11, between Owner(s) Via Verde Housing Development Fund Corporation [Fee Owner–Rental Unit, Community Facility Unit and Commercial Unit] and Via Verde Homes Housing Development Fund Corporation [Fee Owner - Coop Unit], having an office at 902 Broadway, 13th Floor, New York, New York 10010 ; Via Verde Homes LLC [Beneficial Interest-Coop Unit]; Via Verde Rental Associates, L.P. [Beneficial Interest - Rental Unit, Community Facility Unit and Commercial Unit] (collectively the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233.

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 700 Brook Avenue in the City of New York , Borough of the Bronx, Bronx County and State of New York, known and designated on the tax map of the City Register of the City of New York as tax map parcel numbers: Block 2359 Lot(s) 1001, 1002, 1003, 1004 f/k/a Lot 51 being the same as that property conveyed to Grantor as to the Rental Unit, Community Facility Unit and Commercial Unit by confirmatory deed(s) dated December 30, 2009 and recorded on January 8, 2010 in the Office of the City Register of the City of New York in City Register File No. (CRFN): 201000007481 and by deed(s) dated December 30, 2009 and recorded on January 8, 2010 in City Register File Number(s) CRFN No(s): 2010000007480 and 2010000007479; as to the Coop Unit by deed dated March 4, 2010 and recorded on March 18, 2010 in City Register File No. (CRFN): 20100000093476. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 1.41 +/- acres, and is hereinafter more fully described in the Land Title Survey dated May 11, 2011, revised November 22, 2011 and signed November 23,

2011 prepared by Montrose Surveying Co., LLP. City and Land Surveyors, which will be attached to the Site Management Plan. The Controlled Property description and survey is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Brownfield Cleanup Agreement Index Number: W2-1129-08-11, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.

(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

(9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5 the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a

defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:	Site Number: C203043 Office of General Counsel NYSDEC 625 Broadway Albany New York 12233-5500
With a copy to:	Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

[6/11]

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Grantor: **Via Verde Housing Development Fund Corporation**
[Fee Owner – Rental Unit, Community Facility Unit and Commercial Unit]

By: _____

Print Name: Michael Wadman

Title: Vice President Date: 11/30/2011

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 30th day of November in the year 20 11, before me, the undersigned, personally appeared Michael Wadman personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

REBECCA L GOBEILLE
NOTARY PUBLIC-STATE OF NEW YORK
No. 02GO6200055
Qualified in New York County
My Commission Expires January 26, 2013

[6/11]

Grantor: Via Verde Homes Housing Development Fund Corporation
[Fee Owner – Co-Op Unit]

By: _____

Print Name: Michael Wadman

Title: Vice President Date: 11/30/2011

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 30th day of November, in the year 20 11, before me, the undersigned, personally appeared Michael Wadman personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

REBECCA L GOBEILLE
NOTARY PUBLIC-STATE OF NEW YORK
No. 02GO6200055
Qualified in New York County
My Commission Expires January 26, 2013

Grantor: **Via Verde Homes LLC**
[Beneficial Interest – Co-Op Unit]

By: Rose Via Verde Homes Manager LLC,
its managing member

By: Thomas P. Loftus

Print Name: Thomas Loftus

Title: Authorized Representative Date: 11/30/11

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NY)

On the 30th day of November in the year 20 11, before me, the undersigned, personally appeared Thomas P. Loftus personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

LOUISA CRUICKSHANK MILLS
Notary Public - State of New York
NO. 01CR6239067
Qualified in Bronx County
My Commission Expires 4-18-15

Grantor: **Via Verde Rental Associates, L.P.**
[Beneficial Interest - Rental Unit, Community Facility Unit and Commercial Unit]
By: Via Verde Rental Management Corp., its general partner

By: _____

Print Name: Michael Wadman

Title: Vice President Date: 11/30/2011

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Newyork)

On the 30th day of November in the year 20 11, before me, the undersigned, personally appeared Michael Wadman personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public - State of New York

REBECCA L GOBEILLE
NOTARY PUBLIC-STATE OF NEW YORK
No. 02GO6200055
Qualified in New York County
My Commission Expires January 26, 2013

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

By: _____
Dale A. Desnoyers, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 5th day of December, in the year 2011, before me, the undersigned, personally appeared Dale A. Desnoyers, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

SCHEDULE "A" PROPERTY DESCRIPTION

Property Address: 700 Brook Avenue, Bronx, NY
Tax Map: Block 2359 Lot(s) 1001,1002,1003 & 1004 [Base Lot 51]

Environmental Easement Description
BCA# W2-1129-08-11, BCP# C203043
MSC Survey No. 62510-27

The Condominium Units (hereinafter referred to as the "Units") known as (SEE RIDER BELOW) in the building (hereinafter referred to as the "Building") known as VIA VERDE CONDOMINIUM and by the street number 700 Brook Avenue, Bronx, New York, said Units being designated and described in a certain Declaration dated January 20, 2010 made by VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION pursuant to Article 9-B of the Real Property Law of the State of New York establishing a plan for condominium ownership of the Building and the land (hereinafter referred to as the "Land") upon which the Building is situate (which land is more particularly described below), which Declaration was recorded in the Bronx County Office of the Register of The City of New York (the "City Register's Office") on February 25, 2010 in CRFN 2010000065348 (which Declaration is hereinafter referred to as the "Declaration").

The Units are also designated as Tax Lots (SEE RIDER BELOW) in Block 2359 of Section 9 (formerly part of Base Lot 51 in Block 2359) of the Borough of Bronx on the Tax Map of the Real Property Assessment Bureau of the City of New York and on the Floor Plans of the Building and filed in the Real Property Assessment Bureau of the City of New York on February 24, 2010 as Condominium Plan No. 127 and also filed in the City Register's Office on February 25, 2010 as Condominium Map CRFN 2010000065347.

TOGETHER WITH an undivided (SEE RIDER BELOW) interest the Common Elements (as such term is defined in the Declaration).

The land upon which the Building containing the Units is situate is bounded and described as follows:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of the BRONX, City and State of NEW YORK, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the southerly side of EAST 156TH STREET (70 feet wide) with the easterly side of BROOK AVENUE (80 feet wide);

running thence easterly along the southerly side of EAST 156TH STREET, 81.10 feet to a point;

running thence southerly along a line forming an angle of 103 degrees 44 minutes 20 seconds on the Southwest, with the southerly side of EAST 156TH STREET, 476.67 feet to a point;

running thence westerly along a line forming an angle of 89 degrees 41 minutes 26 seconds on the Northwest, with the last mentioned course, 40.33 feet to a point;

running thence northerly along a line forming an angle of 90 degrees 18 minutes 36 seconds on the Northeast with the last mentioned course, 15.00 feet to a point;

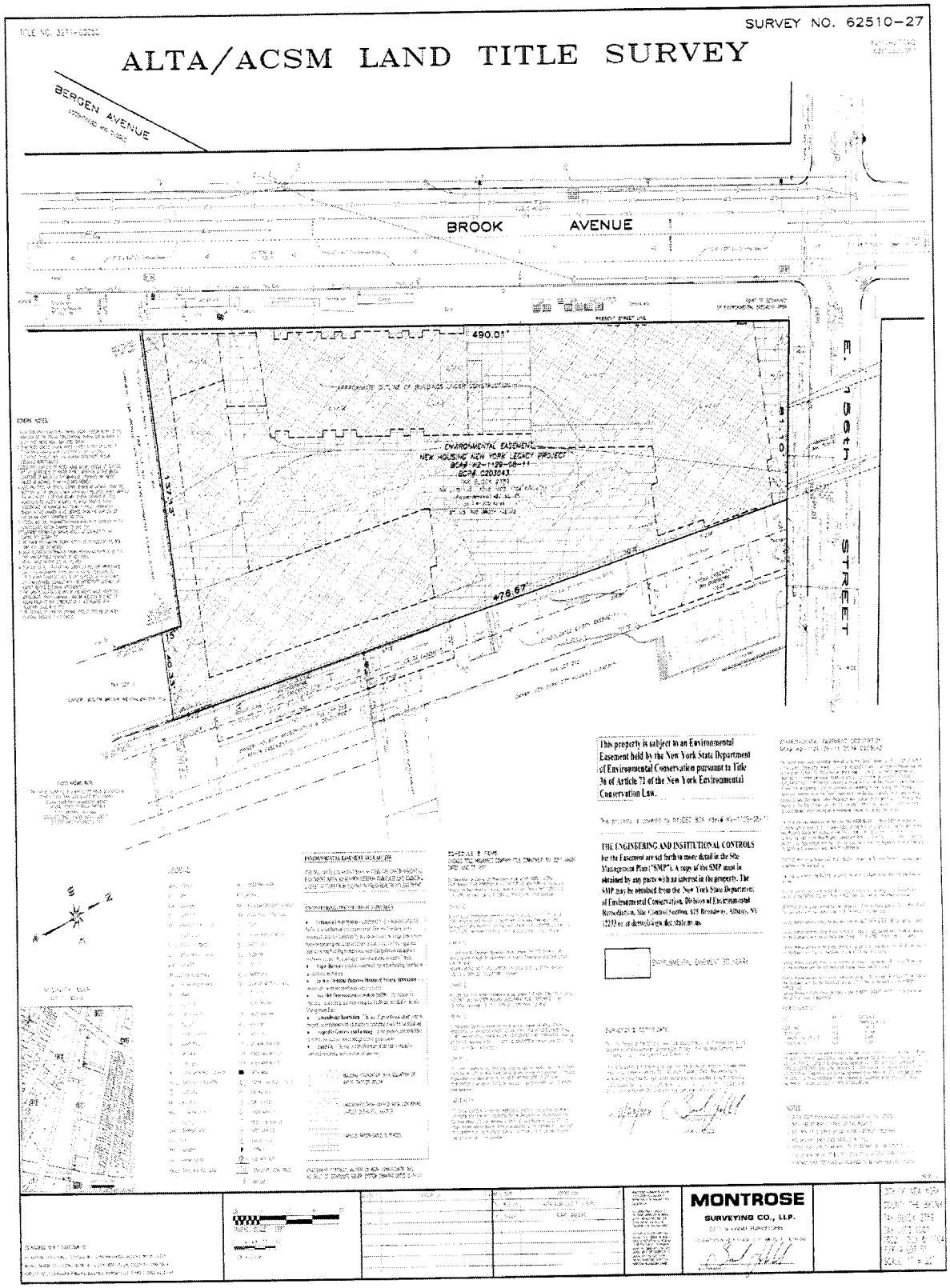
running thence westerly along a line forming an angle of 90 degrees 18 minutes 36 seconds on the Southwest with the last mentioned course, 137.13 feet to the easterly side of BROOK AVENUE; and
running thence northerly along the easterly side of BROOK AVENUE, 490.01 feet to the corner, the point or place of BEGINNING.

RIDER TO SCHEDULE A

UNIT	TAX LOT	PERCENTAGE OF COMMON ELEMENTS
COOP UNIT	1001	34.11%
RENTAL UNIT	1002	61.99%
COMMUNITY FACILITY UNIT	1003	2.34%
COMMERCIAL UNIT	1004	1.56%

Intended to be the same parcel conveyed in Deed dated March 4, 2010, recorded on March 18, 2010 in CRFN 2010000093476; Deed dated December 30, 2009, recorded on January 8, 2010 in CRFN 2010000007479; Deed dated December 30, 2009, recorded on January 8, 2010 in CRFN 2010000007480; Deed dated December 30, 2009, recorded on January 8, 2010 in CRFN 2010000007481; Declaration and Nominee Agreement dated March 4, 2010, recorded on March 18, 2010 in CRFN 2010000093477 and Condominium Declaration dated January 20, 2010, recorded on February 25, 2010 in CRFN 2010000065348

SURVEY


SURVEY NO. 62510-27
ALTA/ACSM LAND TITLE SURVEY
BERGEN AVENUE
BROOK AVENUE
E. 180th STREET
490.01'
476.67'
ENVIRONMENTAL EASEMENT
NEW HOUSING NEW YORK LEGACY PROJECT
BCA#: W2-1129-08-11
BCP#: C203043
This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.
THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@gw.dec.state.ny.us
MONTROSE
SURVEYING CO., LLP.

APPENDIX D

Excavation Work Plan

APPENDIX D

EXCAVATION WORK PLAN
NEW HOUSING NEW YORK LEGACY PROJECT
700-730 BROOK AVENUE
BRONX, NY

Prepared by

CA RICH CONSULTANTS, INC.

17 Dupont Street

Plainview, NY 11803

(516) 57608844

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FIGURES

D-1 Truck Routes

D-2 Air Sampling Stations

A-1 NOTIFICATION

At least 15 days prior to the start of any activity that is anticipated to encounter remaining contamination, the Site owner or their representative will notify the Department. Currently, this notification will be made to:

NYSDEC, Region 2
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 1101
Attn: Jane O'Connell

This notification will include:

- A detailed description of the work to be performed, including the location and areal extent, plans for Site re-grading, intrusive elements or utilities to be installed below the soil cover, estimated volumes of contaminated soil to be excavated and any work that may impact an engineering control;
- A summary of environmental conditions anticipated in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling;
- A schedule for the work, detailing the start and completion of all intrusive work;
- A summary of the applicable components of this EWP;
- A statement that the work will be performed in compliance with this EWP and 29 CFR 1910.120;
- A copy of the contractor's health and safety plan, in electronic format, if it differs from the HASP provided in Appendix E of this SMP;
- Identification of disposal facilities for potential waste streams; and,
- Identification of sources of any anticipated backfill, along with all required chemical testing results.

A-2 SOIL SCREENING METHODS

Visual, olfactory and instrument-based soil screening will be performed by a qualified environmental professional during all remedial and development excavations into known or potentially contaminated material (remaining contamination). Soil screening will be performed regardless of when the invasive work is done and will include all excavation and invasive work performed during development, such as excavations for foundations and utility work, after issuance of the COC.

Soils will be segregated based on previous environmental data and screening results into material that requires off-Site disposal, material that requires testing, material that can be returned to the subsurface, and material that can be used as cover soil.

A-3 STOCKPILE METHODS

A hose connected to a NYS fire hydrant will be available at the Site for dust control.

Soil stockpiles will be continuously encircled with a berm and/or silt fence. Hay bales will be used as needed near catch basins, surface waters and other discharge points.

Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced.

Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC.

A-4 MATERIALS EXCAVATION AND LOAD OUT

A qualified environmental professional or person under their supervision will oversee all invasive work and the excavation and load-out of all excavated material.

The owner of the property and its contractors are solely responsible for safe execution of all invasive and other work performed under this Plan.

The presence of utilities and easements on the Site will be investigated by the qualified environmental professional. It will be determined whether a risk or impediment to the planned work under this SMP is posed by utilities or easements on the Site.

Loaded vehicles leaving the Site will be appropriately lined, tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

A truck wash will be operated on-Site. The qualified environmental professional will be responsible for ensuring that all outbound trucks will be washed at the truck wash before leaving the Site until the activities performed under this section are complete.

Locations where vehicles enter or exit the Site shall be inspected daily for evidence of off-Site soil tracking.

The qualified environmental professional will be responsible for ensuring that all egress points for truck and equipment transport from the Site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

A-5 MATERIALS TRANSPORT OFF-SITE

All transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

Material transported by trucks exiting the Site will be secured with tight-fitting covers. Loose-fitting canvas-type truck covers will be prohibited. If loads contain wet material capable of producing free liquid, truck liners will be used. All trucks will be washed prior to leaving the Site. Truck wash waters will be collected and disposed of off-Site in an appropriate manner.

Exact truck transport routes will be determined after a disposal facility is selected. All trucks loaded with Site materials will exit the vicinity of the Site using only approved truck routes. Suggested truck routes are illustrated on Figure D-1.

All trucks loaded with Site materials will exit the vicinity of the Site using only the approved truck routes. Selection of truck routes takes into account: (a) limiting transport through residential areas and past sensitive Sites; (b) use of city mapped truck routes; (c) prohibiting 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.

Trucks will be prohibited from stopping and idling in the neighborhood outside the project Site. Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during Site remediation and development.

Queuing of trucks will be performed on-Site to the extent possible in order to minimize off-Site disturbance. Off-Site queuing will be prohibited.

A-6 MATERIALS DISPOSAL OFF-SITE

All soil/fill/solid waste excavated and removed from the Site will be treated as contaminated and regulated material and will be transported and disposed in accordance with all local, State (including 6NYCRR Part 360) and Federal regulations. If disposal of soil/fill from this Site is proposed for unregulated off-Site disposal (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Unregulated off-Site management of materials from this Site will not occur without formal NYSDEC approval.

Off-Site disposal locations for excavated soils will be identified in the pre-excavation notification. This will include estimated quantities and a breakdown by class of disposal facility if appropriate, i.e. hazardous waste disposal facility, solid waste landfill, petroleum treatment facility, C/D recycling facility, etc. Actual disposal quantities and associated documentation will be reported to the NYSDEC in the Periodic Review Report. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading and facility receipts.

Non-hazardous historic fill and contaminated soils taken off-Site will be handled, at minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Track 1 unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

A-7 MATERIALS REUSE ON-SITE

If on-Site reuse of soil/fill is needed, all of the materials to be reused will comply with Track 4 SSSALs. The chemical criteria for on-Site reuse of material have been approved by NYSDEC and are listed in Table 1 of the SMP. The qualified environmental professional will ensure that procedures defined for materials reuse in this SMP are followed and that unacceptable material does not remain on-Site. Contaminated on-Site

material, including historic fill and contaminated soil, that is acceptable for re-use on-Site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer, within landscaping berms, or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-Site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-Site will not be performed without prior NYSDEC approval. Organic matter (wood, roots, stumps, etc.) or other solid waste derived from clearing and grubbing of the Site will not be reused on-Site.

A-8 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including excavation dewatering and groundwater monitoring well purge and development waters, will be handled, transported and disposed in accordance with applicable local, State, and Federal regulations. Dewatering, purge and development fluids will not be recharged back to the land surface or subsurface of the Site, but will be managed off-Site.

Discharge of water generated during large-scale construction activities to surface waters (i.e. a local pond, stream or river) will be performed under a SPDES permit.

A-9 COVER SYSTEM RESTORATION

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the RAWP. The demarcation layer, consisting of the vapor barrier beneath building foundations and orange snow fencing or or equivalent material beneath all other components of the composite cover system, will be replaced to provide a visual reference to the top of the 'Remaining Contamination Zone', the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this Site Management Plan. If the type of cover system

changes from that which exists prior to the excavation (i.e., a soil cover is replaced by asphalt), this will constitute a modification of the cover element of the remedy and the upper surface of the 'Remaining Contamination. A figure showing the modified surface will be included in the subsequent Periodic Review Report and in any updates to the Site Management Plan.

A-10 BACKFILL FROM OFF-SITE SOURCES

All materials proposed for import onto the Site will be approved by the qualified environmental professional and will be in compliance with provisions in this SMP prior to receipt at the Site.

Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites will not be imported to the Site.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Based on an evaluation of the land use, protection of groundwater and protection of ecological resources criteria, the resulting soil quality standards are restricted residential clean up objectives per 6NYCRR 375-6.8(b). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this Site, will not be imported onto the Site without prior approval by NYSDEC. Solid waste will not be imported onto the Site.

Trucks entering the Site with imported soils will be securely covered with tight fitting covers. Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

A-11 STORMWATER POLLUTION PREVENTION

Construction activities at this Site will minimize soil erosion, sedimentation of surrounding storm drains, pollution of storm-water runoff leaving the Site, and the

migration of dust and dirt from the Site to surrounding streets and buildings. To achieve this requirement, Contractors will employ the measures in this plan to satisfy the following objectives:

1. Minimize unnecessary soil disturbance and dust generation on Site.
2. Minimize storm-water contamination from on-Site activities.
3. Inhibit or slow the flow of runoff across the Site.
4. Remove sediment from on-Site runoff before it leaves the Site.
5. Remove soil from vehicles leaving the Site.
6. Inhibit dust migration from the Site to surrounding streets and buildings without excessive use of water.
7. Prevent concrete washout from filling catch basins.
8. Minimize on-Site pollution due to construction activity.

A-11.1 Minimize Unnecessary Soil Disturbance and Dust Generation

Soil excavation and removal/re-use (if needed) for environmental purposes is covered by the HASP and CAMP. The HASP and CAMP outline the requirements for dust monitoring and dust control during construction activities and record keeping requirements.

Perimeter fencing at the Site will also provide protection from the wind thus reducing the potential for wind blown dust from leaving the Site.

A-11.2 Minimize Storm-Water Contamination

On-Site soils/fill are permeable and storm-water is expected to freely leach into the ground if exposed. If ponding does occur, pumping of storm-water to a New York City storm sewer may be required. Storm-water discharge permits will be obtained as required from NYCDEP before storm-water may be pumped to the sewer. As a precautionary

measure, sediment control measures such as silt fencing and/or hay bales may be put in place as appropriate to minimize any sediment carried by storm-water leaving the Site.

On-Site soils/fill that are stockpiled for transportation will be positioned such that all storm-water and any soil erosion will be prevented from leaving the Site by the proper grading around the pile. This will cause run-off to flow to the on-Site low point or a retention area.

Stockpiled materials for off-Site disposal will be properly enveloped in plastic sheeting to prevent storm-water contamination, on-site migration of sediments during rain events, and to minimize dust generation from these materials.

A-11.3 Inhibit or Slow the Flow of Run-off Across the Site

On-site control of flow across the Site should only become a problem if the excavation of the Site does not proceed uniformly. Areas in the excavation where steep slopes occur should be bermed at the top of the slope to prevent run-off from the upper bench from flowing over the open fence of the excavation.

Due to the permeability of the soils on Site, storm-water control should not be a difficult task and normal prudent excavating procedures should be capable of controlling the storm-water flow.

A-11.4 Remove Sediment from Storm-Water before Leaving the Site

NYCDEP has established standards for storm-water discharged to the City's sewer system. The standards for suspended solids usually require that storm-water be settled and sometimes filtered before it can be discharge to the sewer. Any storm-water pumped from the Site would have to meet the NYCDEP requirements.

A-11.5 Remove Soil from Vehicles Leaving the Site

A tracking control pad will be constructed. This is a crushed stone pad to prevent tracking of Site soils and mud from the Site to the nearby roadways. Each truck leaving the Site will be inspected for soil/fill or mud on its tires. If found, the soil/fill or mud will be washed off by a laborer, with a hose before the truck leaves the Site.

Additional stone may have to be added to the tracking control pad from time to time as it becomes fouled with on-Site soils.

In the event sediment from the trucks leaving the Site does begin to flow down the street, such as on rainy days, the following procedures will be employed.

- Disposable absorbent socks will be laid on the ground in front of the downgradient stormdrains to catch the sediment. The sediment will then be pushed up the street and back onto the Site with brooms.

- In extreme cases when even the use of absorbent socks will not prevent all of the sediment from flowing toward the storm drain, a drain insert filter will be placed in the storm drain to catch the sediment that flows into the drain.

A-11.6 Prevent Concrete Washout from Filling Catch Basins

A specific area will be designated on-Site for concrete truck wash down. No wash down water will be allowed to flow off the Site. Excess concrete delivered to the Site, but not used, shall remain on the truck and be returned to the supplier. If minor amounts of excess concrete are discharged at the Site, it shall be collected by the contractor after it has hardened and placed in a roll-off container for recycling. During construction, wash water generated from the delivery trucks will be discharged to the ground and allowed to percolate into the soil.

A-11.7 Minimize Site Pollution Due to Construction Activities

Construction waste management practices are described earlier in this EWP. These include fluids management, construction & demolition debris management, soil materials management and re-use, and Site clearing waste management. Additional preventative measures are described below in A-11.10.

A-11.8 Permit Requirements

The only permit that may be required for storm-water and erosion control is a Storm-water Discharge permit from the NYCDEP. However, discharge of storm-water to the public sewer is not anticipated at this time. The Volunteer will acquire the necessary permits when needed.

A-11.9 Control Measures for SWPPP

- Construction fencing with wind screen shall be erected.
- Dust control during Site excavation by Site Contractor - monitored by an environmental professional.
- Limited trucking of excavated materials to recycle or disposal in covered trucks - monitored by an environmental professional
- Controlled sprinkling of the Site with water by Site Contractor as need to suppress dust - monitored by an environmental professional
- Use of a ready mix company that can washout concrete trucks off-Site and limit on-Site washouts to concrete chutes only. Use on-Site washout tanks only if necessary.
- Soil and dust shall be rinsed from trucks before leaving Site at gravel covered Tracking Control Station.
- The construction manager shall designate storage areas for construction materials and areas for staging equipment at the Site.

- Waste materials from the Site will be handled according to the EWP.
- On rainy days, disposable absorbent socks will be laid on the ground in front of the downgradient storm drain to catch the sediment. The trapped sediments will then be pushed up the street and back onto the Site with brooms.
- In extreme cases when even the use of absorbent socks will not prevent all of the sediment from flowing toward the storm drain, a drain insert filter will be placed in the storm drain to catch the sediment that flows into the drain.

A-11.10 Other Related Items

- Good housekeeping efforts shall be employed during vehicle refueling. A contracted vendor supplies a delivery truck that is used to fuel construction vehicles. The operator shall be careful to prevent overfill or spillage of fuel.

- If any minor spills occur, they shall be quickly and completely cleaned up and the impacted soil shall be disposed of off-Site. All releases of fuel shall be reported to the NYSDEC Spills Hotline in accordance with regulations.

- Waste chemicals, such as used motor oil or used oil filters, shall be disposed of off-Site in accordance with NYSDEC regulations.

A-11.11 Recommendations

- Line up ready mix and concrete pump trucks that can do off-Site wash-out and/or can supply portable wash-out tanks.

- Set-up a Site inspection log documenting the SWPP Practices, noting any deficiencies or improvements that can be made. This should be done on a weekly basis at a minimum.
- Site Contractor should hold monthly SWPPP meetings to coordinate all contractors and subcontractor efforts.
- Barriers and hay bale checks will be installed and inspected once a week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC. All necessary repairs shall be made immediately.
- Accumulated sediments will be removed as required to keep the barrier and hay bale check functional.
- All undercutting or erosion of the silt fence toe anchor shall be repaired immediately with appropriate backfill materials.
- Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.
- Erosion and sediment control measures identified in the SMP shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters.
- Silt fencing or hay bales will be installed at the low point of the construction area.

A-12 CONTINGENCY PLAN

If underground tanks or other previously unidentified contaminant sources are found during post-remedial subsurface excavations or development related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition.

Sampling will be performed on product, sediment and surrounding soils, etc. as necessary to determine the nature of the material and proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals; TCL volatiles and semi-volatiles, TCL pesticides and PCBs), unless the Site history and previous sampling results provide a sufficient justification to limit the list of analytes. In this case, a reduced list of analytes will be proposed to the NYSDEC for approval prior to sampling.

Identification of unknown or unexpected contaminated media identified by screening during invasive Site work will be promptly communicated by phone to NYSDEC's Project Manager. Reportable quantities of petroleum product will also be reported to the NYSDEC spills hotline. These findings will be also included in the periodic reports prepared pursuant to Section 5 of the SMP.

A-13 COMMUNITY AIR MONITORING PLAN

The Community Air Monitoring Plan is included in the HASP which is enclosed as Appendix E. A figure showing the location of air sampling stations based on generally prevailing wind conditions is shown in Figure D-2. These locations will be adjusted on a daily or more frequent basis based on actual wind directions to provide an upwind and at least two downwind monitoring stations.

Exceedances of action levels listed in the CAMP will be reported to NYSDEC and NYSDOH Project Managers.

A-14 ODOR CONTROL PLAN

This odor control plan is capable of controlling emissions of nuisance odors off-Site and on-site. Specific odor control methods to be used on a routine basis will include use of a PID meter to screen for VOCs and olfactory observations by a qualified environmental professional. If nuisance odors are identified at the Site boundary, or if odor complaints are received, 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. NYSDEC and NYSDOH will be notified of all odor events and of any other complaints about the project. Implementation of all odor controls, including the halt of work, is the responsibility of the property owner's Remediation Engineer, and any measures that are implemented will be discussed in the Periodic Review Report.

All necessary means will be employed to prevent on- and off-Site nuisances. At a minimum, these measures will include: (a) limiting the area of open excavations and size of soil stockpiles; (b) shrouding open excavations with tarps and other covers; and (c) using foams to cover exposed odorous soils. If odors develop and cannot be otherwise controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; (e) use of chemical odorants in spray or misting systems; and, (f) use of staff to monitor odors in surrounding neighborhoods.

If nuisance odors develop during intrusive work that cannot be corrected, or where the control of nuisance odors cannot otherwise be achieved due to on-Site conditions or close proximity to sensitive receptors, odor control will be achieved by sheltering the excavation and handling areas in a temporary containment structure equipped with appropriate air venting/filtering systems.

A-15 DUST CONTROL PLAN

A dust suppression plan that addresses dust management during invasive on-Site work will include, at a minimum, the items listed below:

- Dust suppression will be achieved though the use of a dedicated on-Site hose connected to a fire hydrant. The hose will be equipped with a nozzle capable of spraying water directly onto off-road areas including excavations and stockpiles.
- Clearing and grubbing of larger sites will be done in stages to limit the area of exposed, un-vegetated soils vulnerable to dust production.

- Gravel will be used on roadways to provide a clean and dust-free road surface.
- On- Site roads will be limited in total area to minimize the area required for water truck sprinkling.

A-16 OTHER NUISANCES

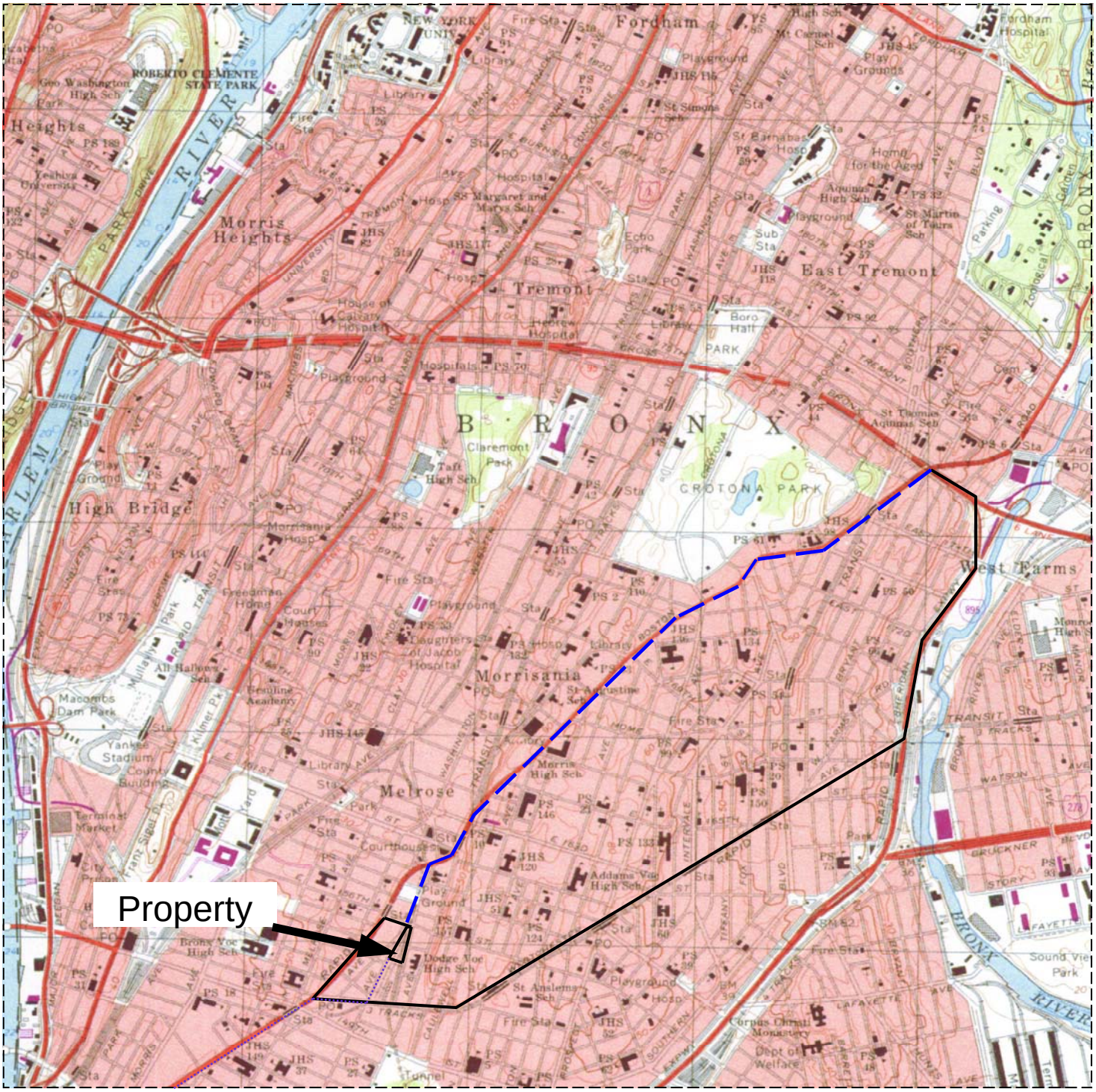
A plan for rodent control will be developed and utilized by the contractor prior to and during Site clearing and Site grubbing, and during all remedial work.

The rodent plan includes the following.

Within the construction Site, tamper resistant rodent bait stations will be installed in appropriate locations and active rodent burrows will be baited.

Upon installation, each bait station will be baited, labeled, and secured to the ground. Bait will be replenished and bait stations relocated as necessary to control rodent populations. A baiting program will be initiated prior to mobilization by the contractor in the construction area. Regular inspections and rebaiting of bait stations will be performed to ensure rodents will not be dispersed by construction activities and that rodents will not infest work areas.

Safety signs will be posted on the Site, which will include a copy of the product label and MSDS for the rodenticide in used. Signs will also list practical medical treatment, first aid procedures, and antidote. Caution signs in English and Spanish will be posted when bait stations are placed in areas accessible to the general public, domestic animals, and pets.



ALTERNATE TRUCK ROUTE 1

ALTERNATE TRUCK ROUTE 2

ALTERNATE TRUCK ROUTE 3

APPROX. SCALE (ft.)

0 *1,200* *2,400*

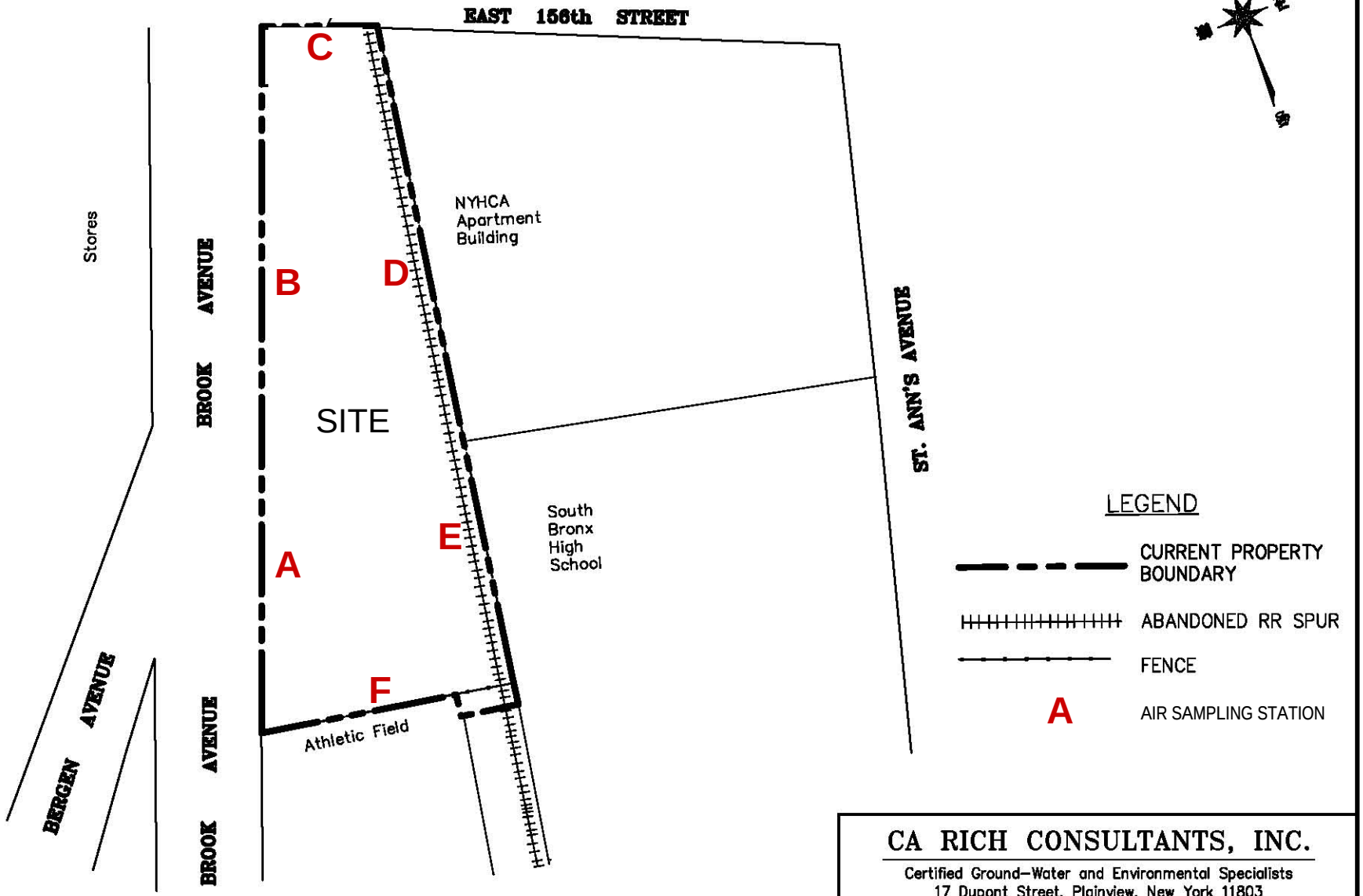
N

Adapted from USGS 1995 Central Park Quadrangle

CA RICH CONSULTANTS, INC.

Certified Ground Water and Environmental Specialists
17 Dupont Street, Plainview, NY 11803

TITLE: **TRUCK ROUTE MAP**		*DATE:* **7/19/11**
		SCALE: **AS SHOWN**
FIGURE: **D-1**	**Via Verde** **New Housing New York Legacy** **700-730 Brook Avenue** **Bronx, New York**	*DRAWN BY:* **D.S.**
DRAWING:		*APPR. BY:* **RJI**



0 100 200 300

SCALE IN FEET

NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8-17-06 AND MONTROSE SURVEY DATED 10-8-07

CA RICH CONSULTANTS, INC.

Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

Air Sampling Stations

DATE: 7-19-11

SCALE: AS SHOWN

FIGURE: D-2

TITLE: VIA VERDE
NEW HOUSING NEW YORK LEGACY
700-730 BROOK AVENUE
BRONX, NEW YORK

DRAWN BY: J.T.C.

DRAWING NO: 2009-8

APPR. BY: D.S.

APPENDIX E

Health & Safety Plan

APPENDIX E

HEALTH AND SAFETY PLAN
&
COMMUNITY AIR MONITORING PLAN

FOR THE
Site Management Plan
AT
NEW HOUSING NEW YORK LEGACY PROJECT
700-730 BROOK AVENUE
BRONX, NEW YORK

BCP SITE #C203043

Prepared by
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APPENDIX A
PHYSICAL PROPERTIES AND TOXICOLOGICAL INFORMATION FOR SUSPECT CONTAMINANTS

1.0 INTRODUCTION

This Health and Safety Plan (HASP) is developed for implementation during post-remediation subsurface activities at 700-730 Brook Avenue in the Bronx, New York, BCP Site #C203043 (hereinafter referred to a 'Via Verde', the 'Site' or the 'Property'). The HASP is to be enforced by the Project Health and Safety Manager and on-site Health & Safety Coordinator (HSC). The on-site HSC will interface with the Project Manager and is vested with the authority to make field decisions including the termination of on-site activities if an imminent health and safety hazard, condition or related concern arises. Information and protocol in the HASP is applicable to all on-site personnel who will be entering the work zone.

2.0 POTENTIAL HAZARDS

2.1 Chemical Hazards

During site activities, workers will operate as if the contaminants of concern are volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), PCBs, pesticides, and metals.

The organic chemicals listed above are described as "sweet" or "aromatic" smelling and are narcotic in high concentrations. Acute exposure to significant concentrations of these chemicals can cause irritation of the skin, eyes and mucus membrane, headache, dizziness, nausea, and in high enough concentrations, loss of consciousness and death *(Sax, 1984)*. These compounds are suspected to be carcinogenic with chronic exposure. Physical properties and additional toxicological information is included in Appendix A.

2.2 Other Health and Safety Risks

The HASP addresses the environmentally-related chemical hazards identified on the Site. Normal physical hazards associated with using drilling equipment and hand tools as well as hazards associated with adverse climatic conditions (heat & cold) also exist and represent a certain degree of risk to be assumed by on-site personnel.

Certain provisions in this Plan, specifically the use of personnel protective equipment, may tend to increase the risk of physical injury, as well as susceptibility to cold or heat stress. This is primarily due to restrictions in dexterity, hearing, sight, and normal body heat transfer inherent in the use of protective gear.

3.0 RISK MANAGEMENT

3.1 Work / Exclusion Zones

For each proposed investigation activity dealing (eg. monitoring well installation, soil sampling, etc.), a work / exclusion zone will be established surrounding the activity. Access to this area will be limited to properly trained, properly protected personnel directly involved with the on-site activities. Enforcement of the work / exclusion zone boundaries is the responsibility of the on-site Health and Safety Coordinator.

3.2 Personnel Protection

Health & Safety regulatory personnel have developed different levels of personnel protection to deal with differing degrees of potential risks of exposure to chemical constituents. The levels are designated as **A, B, C,** and **D** and ranked according to the amount of personnel protection afforded by each level. Level **A** is the highest level of protection and Level **D** is the lowest level of protection as described below.

A – Fully encapsulating suit, SCBA, hard hat, chemcial-resistant steel-toed boots, boot covers, inner and outer gloves.

B – One-piece, hooded chemical-resistant splash suit, SCBA, hard hat, chemcial-resistant steel-toed boots, boot covers, inner and outer gloves.

C – One-piece, hooded chemical-resistant splash suit, hard hat, canister equipped face mask, chemcial-resistant steel-toed boots, boot covers, inner and outer gloves.

D – Work clothes, hard hat (optional), work boots/shoes, gloves (as needed).

The different levels are primarily dependent upon the degree of respiratory protection necessary, in conjunction with appropriate protective clothing. Levels of protection mandate a degree of respiratory protection. However, flexibility exists within the lower levels (B, C, and D) concerning proper protective clothing.

The four levels of protection were developed for utilization in situations which involve suspected or known atmospheric and/or environmental hazards including airborne contamination and skin-affecting substances.

It is anticipated that all of the investigation work will be performed using Level D protection (no respiratory protection with protective clothing requirements limited to long sleeved shirts, long pants or coveralls, work gloves and steel-toe leather work boots).

Level D may be modified by the HSC to include protective clothing or equipment (Saran-coated disposable coveralls or PVC splash suits, safety glasses, hard hat with face shield, and chemically resistant boots) based upon physical hazards, skin contact concerns, and real-time monitoring.

Real-time air monitoring for total airborne organics using either an OVA or an HNU will determine if and when an upgrade from Level D to a higher level of respiratory protection is warranted. Decisions for an upgrade from Level D to higher levels of protection, mitigative actions, and/or suspension of work are the responsibility of the Project Manager and/or the designated on-site Health & Safety Coordinator.

3.3 Air Monitoring

The Health & Safety Coordinator or his properly trained assignee will conduct “Real Time” air monitoring for total organic vapor and total particulates. 'Real-time' monitoring refers to the utilization of instrumentation, which yields immediate measurements. The utilization of real time monitoring helps determine immediate or long-term risks to on-site personnel and the general public, the appropriate level of personnel respiratory protection necessary, and actions to mitigate the recognized hazard. Air monitoring will be conducted in accordance with NYSDOH's Community Air Monitoring Program.

3.3.1. Particulate Monitoring

a. Instrumentation

Dust particulates in air will be monitored using a light scattering technique MINIRAM Model PDM-3 Miniature Real-time Aerosol Monitor (MINIRAM) or equivalent. The MINIRAM is capable of measuring airborne dust particles within the range of 10 to 100,000 micrograms per cubic meter ($\mu g/m^3$).

b. Application

Dust monitoring will occur at regular intervals excavation work activities. Monitoring will be conducted in upgradient and downgradient locations, relative to prevailing wind direction) along the perimeter of the work zone. The HSC or his designee will perform monitoring. As outlined in the NYSDOH Community Air Monitoring Plan, if particluate levels in the downwind location are 150 mg/m^3 greater than those measured in the upwind location, dust suppression techniques shall be employed.

3.3.2 Organic Vapor

a. Instrumentation

Real-time monitoring for total organic vapor (TOV) utilizes either a photo-ionization detector (PID) or flame ionization detector (FID). The appropriate PID is an intrinsically safe HNU Systems Model PI-101 Photoionization detector (HNU) or MiniRae™ Photoionization detector or equivalent, which is factory, calibrated to benzene. The appropriate FID is a Foxboro model 128 Organic vapor Analyzer (OVA) or equivalent, which is factory calibrated to methane.

b. Application

Organic vapor monitoring is performed as outlined in the NYSDOH Community Air Monitoring Plan. Specifically, monitoring shall be conducted at the downwind perimeter of the work zone periodically during work activities. If TOV levels exceed 5 parts per million (ppm) above established pre-work background levels, work activities will be halted and monitoring will be continued under the provision of a Vapor Emission Response Plan (as outlined in the Community Air Monitoring Plan).

3.4 Worker Training

Personnel overseeing the excavation of the contaminated soil will be trained, fit-tested, and medically certified (OSHA 29 CFR 1910. 134). This includes the Health & Safety Coordinator or his/her properly trained assignee.

Prior to any work, all workers involved with the project should be aware of the potential chemical, physical and biological hazards discussed in this document, as well as the general safety practices outlined below. A safety briefing by the on-site HSC and/or assistant designee shall take place at the outset of work activities.

The HSC will be available to address project-related health & safety issues a site worker (such as an equipment operator or laborer) may have regarding the site conditions. Once an issue is brought to the HCS's attention, he or she will evaluate the issue and apply the procedures outlined in this Health & Safety Plan.

3.5 General Safety Practices

All project personnel shall follow the following safety practices:

1. Avoid unnecessary skin exposure to subsurface materials. Long-sleeved shirts tucked into long pants (or coveralls), work gloves, and steel-toe leather work boots are required unless modified gear is approved by the HSC. Remove any excess residual soil from clothes prior to leaving the site.

2. No eating, drinking, gum or tobacco chewing, or smoking allowed in designated work areas. Thoroughly wash hands prior to these activities outside the work area. Avoid sitting on the ground during breaks or while eating and drinking. Thoroughly wash all exposed body areas at the end of the workday.

3. Some symptoms of acute exposure include: nausea, dizziness, light-headedness, impaired coordination, headache, blurred vision, and nose/throat/eye irritation. If these symptoms are experienced or strong odor is detected, leave the work area and immediately report the incident to the on-site HSC.

3.6 Enforcement

Enforcement of the Site Safety Plan will be the responsibility of the HSC. The Coordinator should be on-site on a full-time basis and perform or directly oversee all aspects of Project Health & Safety operations including: air monitoring; environmental mitigation; personnel respiratory and skin protection; general safety practices; documentation; emergency procedures and protocol; and reporting and recordkeeping as described below.

3.7 Reporting and Recordkeeping

Incidents involving injury, symptoms of exposure, discovery of contained (potentially hazardous) materials, or unsafe work practices and/or conditions should be immediately reported to the HSC.

A log book must be maintained on-site to document all aspects of HASP enforcement. The log is paginated and dated with entries made on a daily basis in waterproof ink, initialed by the HSC or designee. Log entries should include date and time of instrument monitoring, instrument type, measurement method, test results, calibration and maintenance information, as well as appropriate mitigative actions responding to detections. Miscellaneous information to be logged may include weather conditions, reported complaints or symptoms, regulatory inspections, and reasons to upgrade personnel protection above the normal specification (Level D).

4.0 EMERGENCIES

4.1 EMERGENCY RESPONSE SERVICES

(1)	**HOSPITAL** Lincoln Hospital 234 E 149th St Bronx, NY 10451 (See Figure 1 for Map Route)	**(718) 993-3860**
(2)	**AMBULANCE**	**911**
(3)	**FIRE DEPARTMENT** **HAZARDOUS MATERIAL**	**911**
(4)	**POLICE DEPARTMENT**	**911**
(5)	**POISON CONTROL CENTER**	**(800) 222-1222**

The preceding list and associated attached map (Figure 1) illustrating the fastest route to the nearest hospital must be conspicuously posted in areas of worker congregation and adjacent to all on-site telephones (if any).

4.2 EMERGENCY PROCEDURES

4.2.1 Contact or Exposure to Suspected Hazardous Materials

In the event of a fire, chemical discharge, medical emergency, workers are instructed to immediately notify the HSC and proper emergency services (posted). Should physical contact with unknown or questionable materials occur, immediately wash the affected body areas with clean water and notify the HSC. Anyone experiencing symptoms of exposure should exit the work area, notify the HSC, and seek medical attention.

4.2.2 Personnel Decontamination, First Aid, and Fire Protection

The first step in the treatment of skin exposure to most chemicals is to rinse the affected area with water. For this reason, adequate amounts of potable water and soap are maintained on-site in a clearly designated and readily-accessible location. Portable emergency eyewash stations and a first aid kit must be made available and maintained in the same locations as the potable water. Fire extinguishers are also to be maintained on-site in designated locations. All on-site personnel are to be made aware of the locations of the above-mentioned on-site Health & Safety accommodations during the initial Health and Safety briefing.

4.2.3 Ingress/egress

Clear paths of ingress/egress to work zones and site entrances/exits must be maintained at all times. Unauthorized personnel are restricted from accessing the site.

5.0 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area is necessary. This plan includes the following:

- Volatile organic compounds must be monitored at the downwind perimeter of the work area on a continuous basis. If total organic vapor levels exceed 5 ppm above background, work activities must be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

- Particulates should be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations during excavation activities. If the downwind particulate level is 150 µg/m^3 greater than the upwind particulate level, then dust suppression techniques must be employed. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

Vapor Emission Response Plan

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- The organic vapor level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

Major Vapor Emission

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts to abate the emission source are unsuccessful and, if organic vapor levels are approaching 5 ppm above background for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect;

However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan of the Work Plan will go into effect.

2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.

3. Frequent air monitoring will be conducted at 30 minutes intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

6.0 HEALTH AND SAFETY PLAN REFERENCES

1. American Conference Governmental Industrial Hygienists, 1989; Threshold Limit Values And Biological Exposure Indices, 111 Pp.

2. Geoenvironmental Consultants, Inc.; 1987; Safety & Operations At Hazardous Materials Sites

3. NIOSH Guide To Chemical Hazards, 1985, US Department Of Health And Human Services, Centers For Disease Control

4. US Department Of Labor Occupational Safety & Health Administration, 1989; Hazardous Waste Operations And Emergency Response Interim Final Rule, 29 CFR Part 1910

5. Sax, N. I. Dangerous Properties Of Industrial Materials; © 1984

7.0 KEY PERSONNEL

Responsibility	Name and Phone Number	Task Description
Project Manager	Deborah Shapiro (516) 576-8844	Oversee and coordinate all technical aspects for the project
Site Safety Officer	Jessica Proscia (516) 576-8844	Coordinate and inspect all health and safety operations from the project site

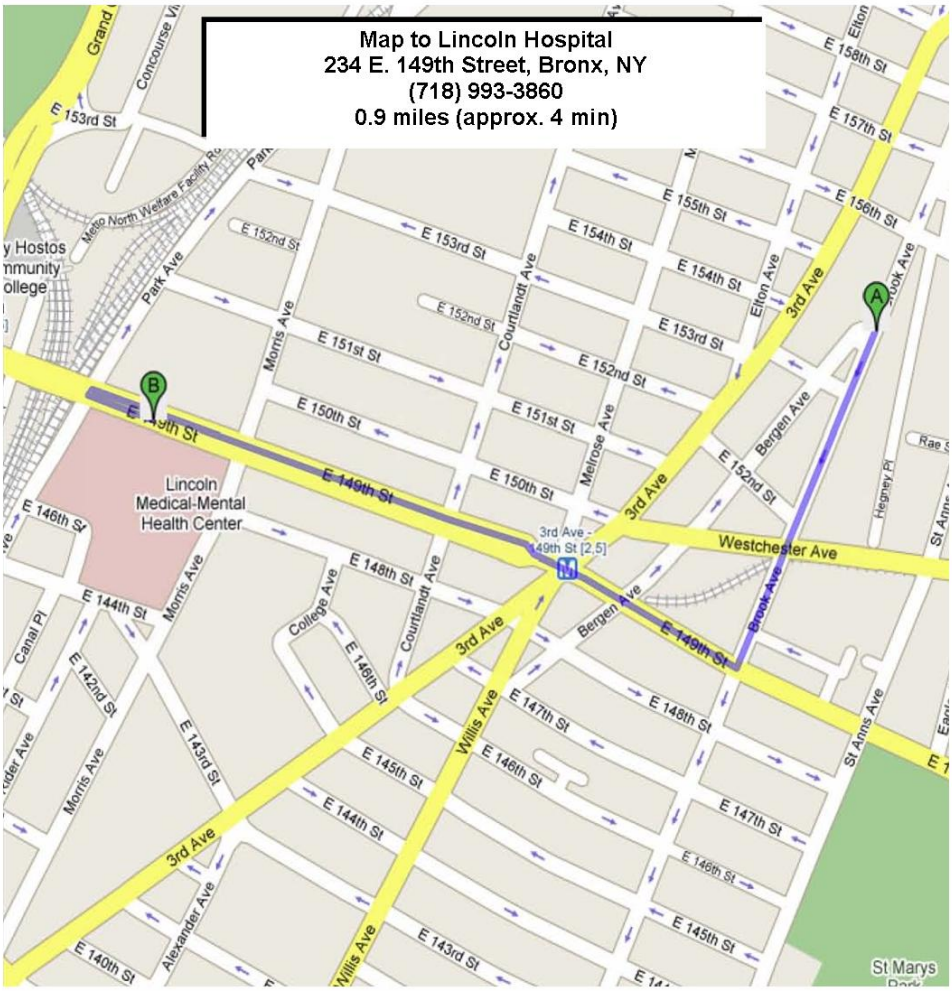
Client Rep. Michael Wadman (212) 243-9090 and Ari Goldstein (917) 542-3656

Project Manager Alternate Rich Izzo (516) 576-8844

Site Safety Officer Alternate Mike Yager (516) 576-8844

Figure 1

Hospital Route Map



A 700 Brook Ave, Bronx, NY 10455

1.	Head **southwest** on **Brook Ave** toward **Bergen Ave** About 1 min	go 0.3 mi total 0.3 mi
2.	Turn **right** at **E 149th St** About 2 mins	go 0.6 mi total 0.9 mi
3.	Make a **U-turn** at **Park Ave** Destination will be on the right About 1 min	go 325 ft total 0.9 mi

B City of N Y Health & Hospitals Corporation: Lincoln Hospital
234 E 149th St, Bronx, NY 10451 - (718) 993-3860

MATERIAL SAFETY DATA SHEET

ALDON CORPORATION
221 Rochester Street
Avon, New York 14414-9409
(585) 226-6177

MSDS No.: BB0003
Effective Date: May 19, 2005

SECTION I NAME

Product	Barium
Chemical Synonyms	Barium Metal
Formula	Ba
Unit Size	up to 2.5 Kg.
C.A.S. No.	7440-39-3

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC 800-424-9300
Day 585-226-6177

NFPA

Health	1
Fire	3
Reactivity	2

HMIS *

HAZARD RATING

MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Barium metal	100%	See Section V.
DANGER! FLAMMABLE SOLID! DANGEROUS WHEN WET.		
AVOID CONTACT WITH SKIN AND EYES.		

SECTION III PHYSICAL DATA

Melting Point (°F)	850°C (1562°F)	Specific Gravity (H_2O = 1)	3.74
Boiling Point (°F)	1695°C (3085°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	React violently with water, liberates highly flammable gases.		
Appearance & Odor	Silver or gray, slightly lustrous, somewhat malleable metal; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable solid.	Flammable Limits in Air % by Volume	Lower	Upper
		N/A		
Extinguisher Media	Dry sand, powder, graphite, soda ash. Do **NOT** use water or carbon dioxide type extinguisher.			

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Do NOT use water to extinguish fires.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 138)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Do **NOT** use water. Reaction with water produces explosive hydrogen gas and enough heat to ignite gas/air mixture plus toxic, corrosive Barium hydroxide solution.

D.O.T. **Water reactive solid, n.o.s., (Barium metal), 4.3, UN2813, PG II**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA

BB0003

Threshold Limited Value

Barium and soluble compounds, as Ba ACGIH 2001: TWA = 0.5 mg/m^3.
RTECS No. CQ8370000

Effects of Overexposure

Caustic burns on skin, eyes and mucous membranes, corneal damage and blindness may result. Moderately toxic via oral exposure route. Target organs: Central nervous system, kidneys.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Do NOT flush with water. Carefully remove particles with cotton-tipped applicator. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability			**Conditions to Avoid**
	Unstable		Excessive temperature, heat, ignition source, water.
	Stable	X	

Incompatibility (Materials to Avoid) Water, acids, oxidizing agents, chlorinated and fluorinated hydrocarbons such as CCl_4.

Hazardous Decomposition Products Hydrogen (explosive), barium hydroxide solution (caustic/toxic).

Hazardous Polymerization		**Conditions to Avoid**
May Occur	**Will Not Occur**	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Recover for use if not contaminated. Collect and pack in dry, airtight container under paraffin oil, if possible. Do not sweep up material. Cover with dry sand. Do not allow material to contaminate water sources or sewers, reaction with water forms corrosive barium compounds.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

This material is a hazardous waste (as per RCRA) because of its reactivity. Disposal should be conducted by an EPA (RCRA) permitted disposer or an EPA (RCRA) permitted disposal facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

Ventilation				
	Local Exhaust	Recommended.	**Special**	No.
	Mechanical (General)	Recommended.	**Other**	No.

Protective Gloves	Rubber.	**Eye Protection**	Chemical safety goggles.

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

Store in dry area, away from heat and other sources of ignition. Store under argon or paraffin oil in airtight container. Protect from moisture and air. Keep container dry.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing.

Revision No. 7	Date 05/19/05	Approved Michael Raszeja	Chemical Safety Coordinator MR

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

NIOSH Publication No. 2005-149: **September 2005**

NIOSH Pocket Guide to Chemical Hazards

NPG Home | Introduction | Synonyms & Trade Names | Chemical Names | CAS Numbers | RTECS Numbers | Appendices | Search

Mercury compounds [except (organo) alkyls] (as Hg)

CAS 7439-97-6 (metal)

Hg (metal)

RTECS OV4550000 (metal)

Synonyms & Trade Names
Mercury metal: Colloidal mercury, Metallic mercury, Quicksilver
Synonyms of "other" Hg compounds vary depending upon the specific compound.

DOT ID & Guide
2809 172 (metal)

Exposure Limits

NIOSH REL: Hg Vapor: TWA 0.05 mg/m^3 [skin]
Other: C 0.1 mg/m^3 [skin]

OSHA PEL†: C 0.1 mg/m^3

IDLH 10 mg/m^3 (as Hg) See: 7439976

Conversion

Physical Description
Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.]

MW: 200.6	BP: 674°F	FRZ: -38°F	Sol: Insoluble
VP: 0.0012 mmHg	IP: ?		Sp.Gr: 13.6 (metal)
Fl.P: NA	UEL: NA	LEL: NA	

Metal: Noncombustible Liquid

Incompatibilities & Reactivities
Acetylene, ammonia, chlorine dioxide, azides, calcium (amalgam formation), sodium carbide, lithium, rubidium, copper

Measurement Methods
NIOSH 6009; OSHA ID140
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)
Skin: Prevent skin contact
Eyes: No recommendation
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily

First Aid (See procedures)
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations
Mercury vapor: NIOSH
Up to 0.5 mg/m^3:
(APF = 10) Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concern†
(APF = 10) Any supplied-air respirator
Up to 1.25 mg/m^3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with cartridge(s) providing protection against the compound of concern†(canister)
Up to 2.5 mg/m^3:
(APF = 50) Any chemical cartridge respirator with a full facepiece and cartridge(s) providing protection against the compound of concern†

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern†
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode/PAPRTS(canister)
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 10 mg/m^3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure- demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern/Any appropriate escape-type, self-contained breathing apparatus

Other mercury compounds: NIOSH/OSHA

Up to 1 mg/m^3:
(APF = 10) Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concern†
(APF = 10) Any supplied-air respirator

Up to 2.5 mg/m^3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with cartridge(s) providing protection against the compound of concern†(canister)

Up to 5 mg/m^3:
(APF = 50) Any chemical cartridge respirator with a full facepiece and cartridge(s) providing protection against the compound of concern†
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern†
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode/PAPRTS(canister)
(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece

Up to 10 mg/m^3:
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Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern/Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms 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

Target Organs Eyes, skin, respiratory system, central nervous system, kidneys

See also: INTRODUCTION See ICSC CARD: 0056 See MEDICAL TESTS: 0136

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NIOSH Pocket Guide to Chemical Hazards

NPG Home | Introduction | Synonyms & Trade Names | Chemical Names | CAS Numbers | RTECS Numbers | Appendices | Search

Lead

CAS 7439-92-1

Pb

RTECS OF7525000

Synonyms & Trade Names
Lead metal, Plumbum

DOT ID & Guide

Exposure Limits

NIOSH REL*: TWA 0.050 mg/m^3 See Appendix C [*Note: The REL also applies to other lead compounds (as Pb) -- see Appendix C.]

OSHA PEL*: [1910.1025] TWA 0.050 mg/m^3 See Appendix C [*Note: The PEL also applies to other lead compounds (as Pb) -- see Appendix C.]

IDLH 100 mg/m^3 (as Pb) See: 7439921

Conversion

Physical Description
A heavy, ductile, soft, gray solid.

MW: 207.2	BP: 3164°F	MLT: 621°F	Sol: Insoluble
VP: 0 mmHg (approx)	IP: NA		Sp.Gr: 11.34
Fl.P: NA	UEL: NA	LEL: NA	

Noncombustible Solid in bulk form.

Incompatibilities & Reactivities
Strong oxidizers, hydrogen peroxide, acids

Measurement Methods
NIOSH 7082, 7105, 7300, 7301, 7303, 7700, 7701, 7702, 9100, 9102, 9105; OSHA ID121, ID125G, ID206
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: Daily
Remove: When wet or contaminated
Change: Daily

First Aid (See procedures)
Eye: Irrigate immediately
Skin: Soap flush promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations (See Appendix E) NIOSH/OSHA

Up to 0.5 mg/m^3:
(APF = 10) Any air-purifying respirator with an N100, R100, or P100 filter (including N100, R100, and P100 filtering facepieces) except quarter-mask respirators. Click here for information on selection of N, R, or P filters.
(APF = 10) Any supplied-air respirator

Up to 1.25 mg/m^3:
(APF = 25) Any supplied-air respirator operated in a continuous-flow mode
(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter

Up to 2.5 mg/m^3:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters.
(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode
(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter

(APF = 50) Any self-contained breathing apparatus with a full facepiece
(APF = 50) Any supplied-air respirator with a full facepiece
Up to 50 mg/m^3:
(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode
Up to 100 mg/m^3:
(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
Emergency or planned entry into unknown concentrations or IDLH conditions:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms 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; hypotension

Target Organs Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue

See also: INTRODUCTION See ICSC CARD: 0052 See MEDICAL TESTS: 0127

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DDT

CAS 50-29-3

$(C_6H_4Cl)_2CHCCl_3$

RTECS KJ3325000

Synonyms & Trade Names
p,p'-DDT; Dichlorodiphenyltrichloroethane; 1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane

DOT ID & Guide
2761 151

Exposure Limits

NIOSH REL: Ca TWA 0.5 mg/m^3 See Appendix A

OSHA PEL: TWA 1 mg/m^3 [skin]

IDLH Ca [500 mg/m^3] See: 50293

Conversion

Physical Description
Colorless crystals or off-white powder with a slight, aromatic odor. [pesticide]

MW: 354.5	BP: 230°F (Decomposes)	MLT: 227°F	Sol: Insoluble
VP: 0.0000002 mmHg	IP: ?		Sp.Gr: 0.99
Fl.P: 162-171°F	UEL: ?	LEL: ?	

Combustible Solid

Incompatibilities & Reactivities
Strong oxidizers, alkalis

Measurement Methods
NIOSH S274 (II-3)
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated/Daily
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures)
Eye: Irrigate immediately
Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations NIOSH
At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms Irritation eyes, skin; paresthesia tongue, lips, face; tremor; anxiety, dizziness, confusion, malaise (vague feeling of

discomfort), headache, lassitude (weakness, exhaustion); convulsions; paresis hands; vomiting; [potential occupational carcinogen]

Target Organs Eyes, skin, central nervous system, kidneys, liver, peripheral nervous system

Cancer Site [in animals: liver, lung & lymphatic tumors]

See also: INTRODUCTION See ICSC CARD: 0034 See MEDICAL TESTS: 0065

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C/D/N ISOTOPES INC.
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Tel.: 1-514-697-6254 • Fax: 1-514-697-6148
www.cdnisotopes.com

MATERIAL SAFETY DATA SHEET

Sheet No. 4090

SECTION 1: PRODUCT IDENTIFICATION

Catalog No.: D-3004
Product Name: 1,1-Dichloro-2,2-bis(4-chlorophenyl-d_4)ethane
CAS No.: 93952-20-6

SECTION 2: CHEMICAL INFORMATION (UNLABELLED)

Chemical Name: 1,1-DICHLORO-2,2-BIS(4-CHLOROPHENYL)ETHANE
CAS No.: 72-54-8
Synonyms: DDD; 1,1-Bis(4-chlorophenyl)-1,2-dichloroethane

SECTION 3: HAZARDS IDENTIFICATION

Known Hazards: TOXIC, IRRITANT, POSSIBLE CARCINOGEN

SECTION 4: FIRST AID MEASURES

Skin Contact: Wash with water.
Ingestion: Medical assistance for gastric lavage.
Inhalation: Remove to fresh air, artificial respiration or oxygen if necessary.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, dry chemical powder, foam.
Special Fire Fighting Equipment: Wear a self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: Toxic HCl and phosgene fumes on decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
Spill Clean-up Methods: Provide adequate ventilation. Carefully scoop up and transfer to a closed container.

SECTION 7: HANDLING AND STORAGE

Usage/Handling Precautions: Strong fumehood
Storage Conditions: Store at room temperature. Adequate ventilation. Protect from light.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory Protection: Self-contained breathing apparatus or chemical cartridge.
Hand Protection: Chemical-resistant gloves, solvent-resistant gloves.
Eye Protection: Wear safety goggles.
Other Protective Equipment: Protective clothing.
Other Protective Measures: Provide safety showers and eyewash station near workplace.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White solid

Melting Point (°C): 109-111
Volatiles (%): < 1
Vapour Density (Air = 1): 11
Water Solubility (%): < 1

Flash Point (°C): Not available
Autoignition Temperature (°C): Not available.

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.
Incompatibility (Materials to Avoid): Bases. Oxidizing/reducing agents.
Hazardous Decomposition Products: CO/CO_2 and HCl on combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute and Chronic Health Hazards

Oral LD_{50}: 113 mg/kg (rat)
Dermal LDL_0: 1200 mg/kg (rabbit)
TLV: None verified. DDT: 1 mg/m^3.

Effects of Overexposure: Irritant. Lethargy. Liver damage. Atrophy of adrenal cortex. Possible carcinogen. Possible mutagen. Possible neoplastic. Death.

SECTION 12: ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Procedures: Via licensed disposal company. Dispose of according to federal and local regulations.

SECTION 14: TRANSPORT INFORMATION

Contact C/D/N Isotopes Inc.

SECTION 15: REGULATORY INFORMATION

TLV: None verified. DDT: 1 mg/m^3.

SECTION 16: OTHER INFORMATION

This product is not radioactive. The data given for this product are those of the corresponding unlabelled product indicated in Section 2, unless specifically indicated otherwise. Safety data for the labelled compounds are generally unavailable but the hazards and properties are assumed to be similar or identical to those of the unlabelled compounds. While the information set forth is believed to be accurate, C/D/N ISOTOPES INC. extends no warranties with respect hereto and disclaims all liabilities from reliance thereon. All judgements as to the suitability of the data presented with respect to the use of this product are the responsibility of the purchaser and intended user.

Date: May 24, 2006

C/D/N ISOTOPES INC. Vincent Guay Vincent Guay Signature

Vincent Guay, Ph.D.

RM Number: 8467 (Renewals)
MSDS Number: 8467
RM Name: 4,4'-DDE
Issued: May, 1992

MATERIAL SAFETY DATA SHEET

National Institute of Standards and Technology
Standard Reference Materials Program
Gaithersburg, Maryland 20899
(301) 975-2019

SECTION I. MATERIAL IDENTIFICATION

Material Name: 4,4'-DDE

Description: This material is a degradation product of DDT found as an impurity in DDT residues. A unit of RM 8467 consists of one vial containing approximately 100 mg of 4,4'-DDE.

Other Designations: *p,p*'-DDE, 1,1'-(dichloroethenyldiene)bis[4-chlorobenzene]); 2,2-bis-(4-chlorophenyl)-1,1-dichloroethene; ethylene, 1,1-dichloro-2,2-bis(*p*-chlorophenyl); 1,1'-(dichloroethenylidene)bis(4-chloro-benzene); dichlorodiphenyldichloroethylene

Chemical Formula: $Cl\text{-}C_6\text{-}H_4\text{-}C\text{-}(C\text{-}Cl_2)\text{-}C_6\text{-}H_4\text{-}Cl$

CAS Reg. No.: 72-55-9

DOT Classification: Class 6.1 Poison

Manufacturer/ Supplier: Available from a number of suppliers.

SECTION II. HAZARDOUS INGREDIENTS

Hazardous Components	Nominal Concentration	Limits and Toxicity Data
4,4'-DDE	~ 100%	*No TLV established.

Rat, Oral:

LD_{50}: 880 mg/kg

Mouse, Oral:

LD_{50}: 700 mg/kg

*****The suggested ACGIH-TWA for particulates not otherwise regulated is 10 mg/m^3 for total dust.

SECTION III. PHYSICAL/ CHEMICAL CHARACTERISTICS

4,4'-DDE

Appearance and Odor: A white crystalline solid.
Molecular Weight: 318.03
Melting Point (Range): 88 - 90 °C
Solubility in Water: 0.12 ppm
Solubility in Other Compounds: Soluble in ethanol, acetone, dichloromethane, fat and most organic solvents.

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A

(Method Used): N/A

Autoignition Temperature: N/A

Flammability Limits in Air (Volume %): UPPER: N/A
LOWER: N/A

Extinguishing Media: Use dry chemical, water spray of regular foam.

Special Fire Procedures: Fire-fighters should wear self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode and other protective clothing when fighting fires involving this material.

Unusual Fire and Explosion Hazards: This material is a negligible fire hazard when exposed to heat or flame. This

material may burn but does not ignite readily. Containers may explode in the heat of a fire.

This pesticide material with strong oxidizers can present a fire and explosion hazard.

SECTION V. REACTIVITY DATA

Stability: __X__ **Stable** ____ **Unstable**

Conditions to Avoid: Avoid incompatible materials.

Incompatibility (Materials to Avoid): Keep this material from strong oxidizing materials.

See Section IV: Fire and Explosion Hazard Data.

Hazardous Decomposition or Byproducts: Thermal decomposition may include toxic and corrosive fumes of chlorides and toxic oxides of carbon.

Hazardous Polymerization: _____ **Will Occur** __X__ **Will Not Occur**

SECTION VI. HEALTH HAZARD DATA

Route of Entry: __X__ **Inhalation** __X__ **Skin** __X__ **Ingestion**

Health Hazards (Acute and Chronic): Effects for **organochlorine pesticides** (i.e. DDT) may occur for exposures of 4,4'-DDE. Ingestion can occur through oral administration or may occur if sufficient amounts are absorbed from the lungs. A study of occupational exposure to DDT reported a higher frequency of white blood cells with chromosomal abnormalities among workers with high DDT blood levels. Menstrual irregularities are the most frequent complaint among migrant farm workers were observed in another study. Signs of liver and kidney damage can develop. Liver *necrosis* (localized death of living tissue) has been reported in experimental animals. Death may be due to respiratory failure or ventricular fibrillation. Symptoms of poisoning may not occur until several hours after ingestion.

This material may cross the placenta and be excreted in breast milk. It may also impair fertility. Stimulants such as epinephrine or ephedrine may induce *ventricular fibrillation* (a muscular twitching involving individual muscle fibers, acting without coordination, of the chamber of the heart which receives blood from a corresponding atrium and from which blood is forced into the arteries).

Signs and Symptoms of Exposure: Ingestion of organochlorine pesticides may cause gastrointestinal effects of nausea, vomiting, diarrhea, and stomach pains. Confusion, apprehension, irritability, excitability, dizziness, headache, disorientation,

weakness, paresthesias, muscle twitching, tremor, stupor, coma and convulsions may also be experienced.

Medical Conditions Generally Aggravated by Exposure: N/A

Listed as a Carcinogen/Potential Carcinogen:

	Yes	No
In the National Toxicology Program (NTP) Report on Carcinogens	____	X
In the International Agency for Research (IARC) Monographs	____	X
By the Occupational Safety and Health Administration (OSHA)	____	X

Note: A high incidence of liver-cell tumors was observed in mice administered DDE orally (IARC).

The carcinogenicity of this material is still undetermined.

EMERGENCY AND FIRST AID PROCEDURES:

Skin Contact: Remove contaminated shoes and clothing. Rinse affected area with large amounts of water followed by washing the area with soap and water. Contact medical assistance if necessary.

Eye Contact: Immediately flush eyes, including under the eyelids, with copious amounts of water for at least 15 minutes. Contact medical assistance if necessary.

Inhalation: If inhaled, remove the victim to fresh air. If breathing is difficult, give oxygen; if victim is not breathing, give artificial respiration. Contact medical assistance if necessary.

Ingestion: If ingested, wash out mouth with water. If the person is conscious and not convulsing, induce vomiting by administering syrup of ipecac (when vomiting occurs, keep the head above below the hips to prevent aspiration). Medical personal can administer activated charcoal followed by gastric lavage. Follow with a saline cathartic. **DO NOT** give fats or oils. Intestinal lavage with 20% mannitol (200 mL) by stomach tube is also useful. Give artificial respiration with oxygen if respiration is depressed. Treat symptomatically and supportively.

TARGET ORGAN(S) OF ATTACK: The blood, liver and kidneys.

SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled: Notify safety personnel of major spills and/or leaks. Evacuate all nonessential personnel. Ventilate closed area before entering. Stop the leak if you can do so without risk. Use water spray to reduce vapors. Small spills can be absorbed with sand or other absorbent material and place in containers for later disposal. Small dry spills can be recovered with a clean shovel and placed in covered containers. For larger spills, dike far ahead of the spill for later disposal.

Note: Reportable Quantity (RQ): 1 Pound (4.536 Grams)

The Superfund Amendments and Reauthorization Act (SARA) section 304 requires that a release equal to or greater than the reportable quantity for this substance be immediately reported to the local Emergency Planning Committee and the State Emergency Response Commission (40 CFR 355.40). If the release of this substance is reportable under Cercla Section 103, The National Response Center must be notified immediately.

Waste Disposal: Disposal must be in accordance with 40 CFR 165 recommended procedures for the disposal and storage of pesticides and pesticide containers. Follow all Federal, state and local regulations.

Handling and Storage: Employees handling this material must wear protective clothing and gloves to prevent skin contact and splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Any chemical cartridge respirator with an organic vapor cartridge in combination with a dust and mist filter must be worn to prevent inhalation. The specific respirator selected must be based on contamination levels found in the work place, must be based on the specific operation, must not exceed the working limits of the respirator and must be jointly approved by the National Institute for Occupational Safety and Health (NIOSH) and the Mine Safety and Health Administration (MSHA).

Note: Contact lenses pose a special problem; soft lenses may absorb irritants and all lenses concentrate them. **DO NOT** wear contact lenses in the lab.

Provide local exhaust ventilation. Ventilation equipment must be explosion proof. Store material in accordance with 40 CFR 165 recommended procedures for the disposal and storage of pesticides and pesticide containers. Vials, as received, should be kept tightly sealed, protected from light, and stored in a refrigerator or freezer. Emergency eye wash station must be available.

SECTION VIII. SOURCE DATA/ OTHER COMMENTS

Sources: Occupational Health Services, MSDS *2,2-Bis-(4-Chlorophenyl)-1,1-Dichloroethene,* February 21, 1991.
Hawley's Condensed Chemical Dictionary, 11th ed., 1987.
Webster's Ninth New Colligiate Dictionary, 1990.

Carmelita S. Davis (301) 975-6439
National Institute of Standards and Technology
Standard Reference Materials Program
Gaithersburg, Maryland 20899

Note: Physical and chemical data contained in this MSDS are provided for use in assessing the hazardous nature of the material. The MSDS was prepared carefully, using current references, however NIST does not certify the data on the MSDS. The certified values for this material are given only on the NIST Certificate of Analysis.

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Dieldrin

CAS 60-57-1

$C_{12}H_8Cl_6O$

RTECS IO1750000

Synonyms & Trade Names
HEOD; 1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,exo-5,8-dimethanonaphthalene

DOT ID & Guide
2761 151

Exposure Limits

NIOSH REL: Ca TWA 0.25 mg/m^3 [skin] See Appendix A

OSHA PEL: TWA 0.25 mg/m^3 [skin]

IDLH Ca [50 mg/m^3] See: 60571

Conversion

Physical Description
Colorless to light-tan crystals with a mild, chemical odor. [insecticide]

MW: 380.9	BP: Decomposes	MLT: 349°F	Sol: 0.02%
VP(77°F): 8 x 10-7 mmHg	IP: ?		Sp.Gr: 1.75
Fl.P: NA	UEL: NA	LEL: NA	

Noncombustible Solid

Incompatibilities & Reactivities
Strong oxidizers, active metals such as sodium, strong acids, phenols

Measurement Methods
NIOSH S283 (II-3)
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated/Daily
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures)
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations NIOSH
At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms Headache, dizziness; nausea, vomiting, malaise (vague feeling of discomfort), sweating; myoclonic limb jerks; clonic, tonic convulsions; coma; [potential occupational carcinogen]; in animals: liver, kidney damage

Target Organs central nervous system, liver, kidneys, skin

Cancer Site [in animals: lung, liver, thyroid & adrenal gland tumors]

See also: INTRODUCTION See ICSC CARD: 0787 See MEDICAL TESTS: 0077

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Chlorodiphenyl (42% chlorine)

CAS 53469-21-9

$C_6H_4ClC_6H_3Cl_2$ (approx)

RTECS TQ1356000

Synonyms & Trade Names
Aroclor® 1242, PCB, Polychlorinated biphenyl

DOT ID & Guide
2315 171

Exposure Limits

NIOSH REL*: Ca TWA 0.001 mg/m^3 See Appendix A [*Note: The REL also applies to other PCBs.]

OSHA PEL: TWA 1 mg/m^3 [skin]

IDLH Ca [5 mg/m^3] See: 53469219

Conversion

Physical Description
Colorless to light-colored, viscous liquid with a mild, hydrocarbon odor.

MW: 258 (approx)	BP: 617-691°F	FRZ: -2°F	Sol: Insoluble
VP: 0.001 mmHg	IP: ?		Sp.Gr(77°F): 1.39
Fl.P: NA	UEL: NA	LEL: NA	

Nonflammable Liquid, but exposure in a fire results in the formation of a black soot containing PCBs, polychlorinated dibenzofurans & chlorinated dibenzo-p-dioxins.

Incompatibilities & Reactivities
Strong oxidizers

Measurement Methods
NIOSH 5503; OSHA PV2089
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

First Aid (See procedures)
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations NIOSH
At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms Irritation eyes; chloracne; liver damage; reproductive effects; [potential occupational carcinogen]

Target Organs Skin, eyes, liver, reproductive system

Cancer Site [in animals: tumors of the pituitary gland & liver, leukemia]

See also: INTRODUCTION See MEDICAL TESTS: 0175

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NIOSH Pocket Guide to Chemical Hazards

Coal tar pitch volatiles

CAS 65996-93-2

RTECS GF8655000

Synonyms & Trade Names
Synonyms vary depending upon the specific compound (e.g., pyrene, phenanthrene, acridine, chrysene, anthracene & benzo(a)pyrene). [Note: NIOSH considers coal tar, coal tar pitch, and creosote to be coal tar products.]

DOT ID & Guide
2713 153 (acridine)

Exposure Limits

NIOSH REL: Ca TWA 0.1 mg/m^3 (cyclohexane-extractable fraction) See Appendix A See Appendix C

OSHA PEL: TWA 0.2 mg/m^3 (benzene-soluble fraction) [1910.1002] See Appendix C

IDLH Ca [80 mg/m^3] See: 65996932

Conversion

Physical Description
Black or dark-brown amorphous residue.

Properties vary depending upon the specific compound.			

Combustible Solids

Incompatibilities & Reactivities
Strong oxidizers

Measurement Methods
OSHA 58
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)
Skin: Prevent skin contact
Eyes: Prevent eye contact
Wash skin: Daily
Remove: No recommendation
Change: Daily

First Aid (See procedures)
Eye: Irrigate immediately
Skin: Soap wash immediately
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations NIOSH
At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus
Important additional information about respirator selection

Exposure Routes inhalation, skin and/or eye contact

Symptoms Dermatitis, bronchitis, [potential occupational carcinogen]

Target Organs respiratory system, skin, bladder, kidneys

Cancer Site [lung, kidney & skin cancer]

See also: INTRODUCTION See ICSC CARD: 1415 See MEDICAL TESTS: 0054

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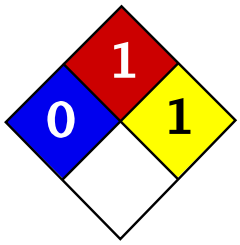

Material Safety Data Sheet
Magnesium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Magnesium

Catalog Codes: SLM4408, SLM2263, SLM3637

CAS#: 7439-95-4

RTECS: OM2100000

TSCA: TSCA 8(b) inventory: Magnesium

CI#: Not applicable.

Synonym: Magnesium ribbons, turnings or sticks

Chemical Name: Magnesium

Chemical Formula: Mg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Magnesium	7439-95-4	100

Toxicological Data on Ingredients: Magnesium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at

least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat.
Flammable in presence of acids, of moisture.
Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
Explosive in presence of acids, of moisture.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Magnesium turnings, chips or granules, ribbons, are flammable. They can be easily ignited. They may reignite after fire is extinguished. Produces flammable gases on contact with water and acid. May ignite on contact with water or moist air.
Magnesium fires do not flare up violently unless moisture is present.

Special Remarks on Explosion Hazards: Reacts with acids and water to form hydrogen gas with is highly flammable and eplosive

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage:
Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Moisture sensitive. Dangerous when wet.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 24.31 g/mole

Color: Silver-white

pH (1% soln/water): Not applicable.

Boiling Point: 1100°C (2012°F)

Melting Point: 651°C (1203.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.74 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Very slightly soluble in hot water.
Insoluble in cold water.
Insoluble in chromium trioxides, and mineral acids, alkalies.
Slightly soluble with decomposition in hot water.
Soluble in concentrated hydrogen fluoride, and ammonium salts.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, incompatible materials, water or moisture, moist air.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Violent chemical reaction with oxidizing agents.
Reacts with water to create hydrogen gas and heat. Must be kept dry.
Reacts with acids to form hydrogen gas which is highly flammable and explosive.
Magnesium forms hazardous or explosive mixtures with aluminum and potassium perchlorate; ammonium nitrate; barium nitrate, barium dioxide and zinc; beryllium oxide; boron phosphodiiodide; bromobenzyl trifluoride; cadmium cyanide; cadmium oxide; calcium carbide; carbonates; carbon tetrachloride; chlorine; chlorine trifluoride; chloroform; cobalt cyanide; copper cyanide; copper sulfate(anhydrous), ammonium nitrate, potassium chlorate and water; cupric oxide; cupric sulfate; fluorine; gold cyanide; hydrogen and calcium carbonate; hydrogen iodide; hydrogen peroxide; iodine; lead cyanide; mercuric oxide; mercury cyanide; methyl chloride; molybdenum trioxide; nickel cyanide; nitric acid; nitrogen dioxide; oxygen (liquid); performic acid; phosphates; potassium chlorate; potassium perchlorate; silver nitrate; silver oxide; sodium perchlorate; sodium peroxide; sodium peroxide and carbon dioxide; stannic oxide; sulfates; trichloroethylene; zinc cyanide; zinc oxide.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available.
LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause skin irritation by mechanical action. May get mechanical injury or embedding of chips/particles in skin. The particles that are embedded in the wounds may retard healing.
Eyes: May cause eye irritation by mechanical action. Mechanical injury may occur. Particles or chips may embed in eye and retard healing.
Inhalation: Low hazard for ususal industrial handling. It may cause respiratory tract irritation. However, it is unlikely due to physical form. When Magnesium metal is heated during welding or smelting process, Metal Fume Fever may result from inhalation of magnesium fumes. Metal Fume Fever is a flu-like condition consisting of fever, chills, sweating, aches, pains, cough, weakness, headache, nausea, vomiting, and breathing difficulty. Other symptoms may include metallic taste, increased white blood cell count. There is no permanent ill-effect.
Ingestion: Low hazard for usual industrial handling. There are no known reports of serious industrial poisonings with Magnesium. Ingeston of large amounts of chips, turnings or ribbons may cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea. Acute ingestion may also result in Hypermagnesia. Hypermagnesia may cause hypotension, bradycardia, CNS depression, respiratory depression, and impairment of neuromuscular transmission (hyporeflexia, paralysis).

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Magnesium UNNA: 1869 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Magnesium
Rhode Island RTK hazardous substances: Magnesium
Pennsylvania RTK: Magnesium

Massachusetts RTK: Magnesium
Massachusetts spill list: Magnesium
New Jersey: Magnesium
TSCA 8(b) inventory: Magnesium

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS B-6: Reactive and very flammable material.

DSCL (EEC):
R11- Highly flammable.
R15- Contact with water liberates extremely flammable gases.
S7/8- Keep container tightly closed and dry.
S43- In case of fire, use dry chemical. Never use water.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 3

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 06:00 PM

Last Updated: 10/09/2005 06:00 PM

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APPENDIX F

Monitoring Well Boring Logs & Construction Details

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

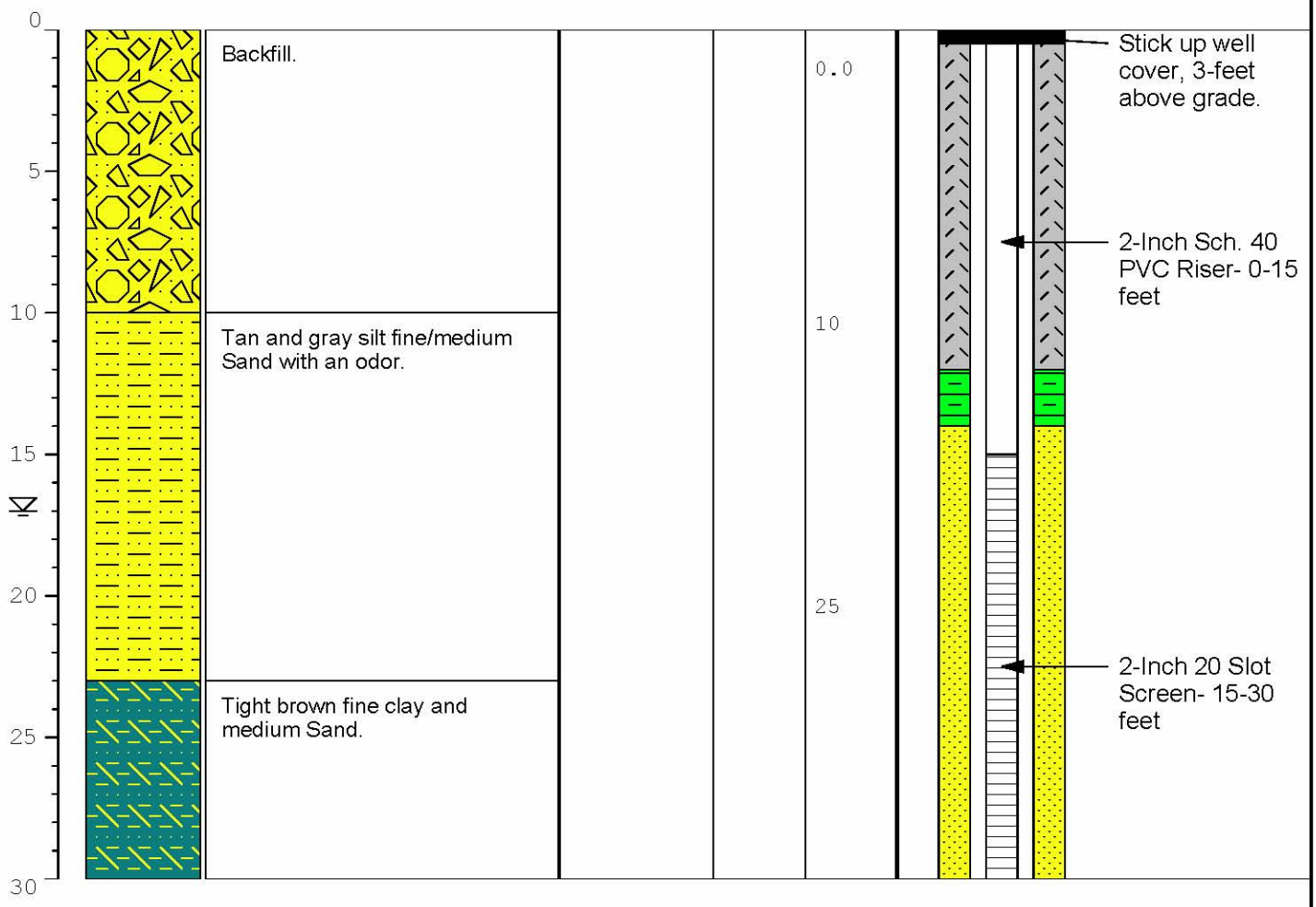
BOREHOLE NO.: **MW-6**

TOTAL DEPTH: **30'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Via Verde**	DRILLING CO.:	**Aarco Environmental**
SITE LOCATION:	**700-730 Brook Avenue**	DRILLER:	**Kevin and John**
JOB NO.:	**Via Verde**	RIG TYPE:	**Geo-probe 7822DT**
LOGGED BY:	**Victoria Whelan**	METHOD OF DRILLING:	**4 " Hollow stem augers**
PROJECT MANAGER:	**Richard Izzo**	SAMPLING METHODS:	**From auger flytes**
DATES DRILLED:	**7/11/11**	HAMMER WT./DROP	**NA**

Water level in well

DEPTH FEET	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION



NOTES: Sunny, hot and humid.

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **MW-7**

TOTAL DEPTH: **30'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Via Verde**	DRILLING CO.:	**Aarco Environmental**
SITE LOCATION:	**700-730 Brook Avenue**	DRILLER:	**Kevin and John**
JOB NO.:	**Via Verde**	RIG TYPE:	**Geo-probe 7822DT**
LOGGED BY:	**Victoria Whelan**	METHOD OF DRILLING:	**4 " Hollow stem augers**
PROJECT MANAGER:	**Richard Izzo**	SAMPLING METHODS:	**From auger flytes**
DATES DRILLED:	**7/12/11**	HAMMER WT./DROP	**NA**

▽ Water level in well

DEPTH FEET	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0		Backfill.			0.0		Stick up well cover, 3-feet above grade.
5							2-Inch Sch. 40 PVC Riser- 0-15 feet
10		Medium Sand, no odor.			0.0		
15 ▽							
20					0.0		2-Inch 20 Slot Screen- 15-30 feet
25							
30							

NOTES: Sunny, hot and humid.

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Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

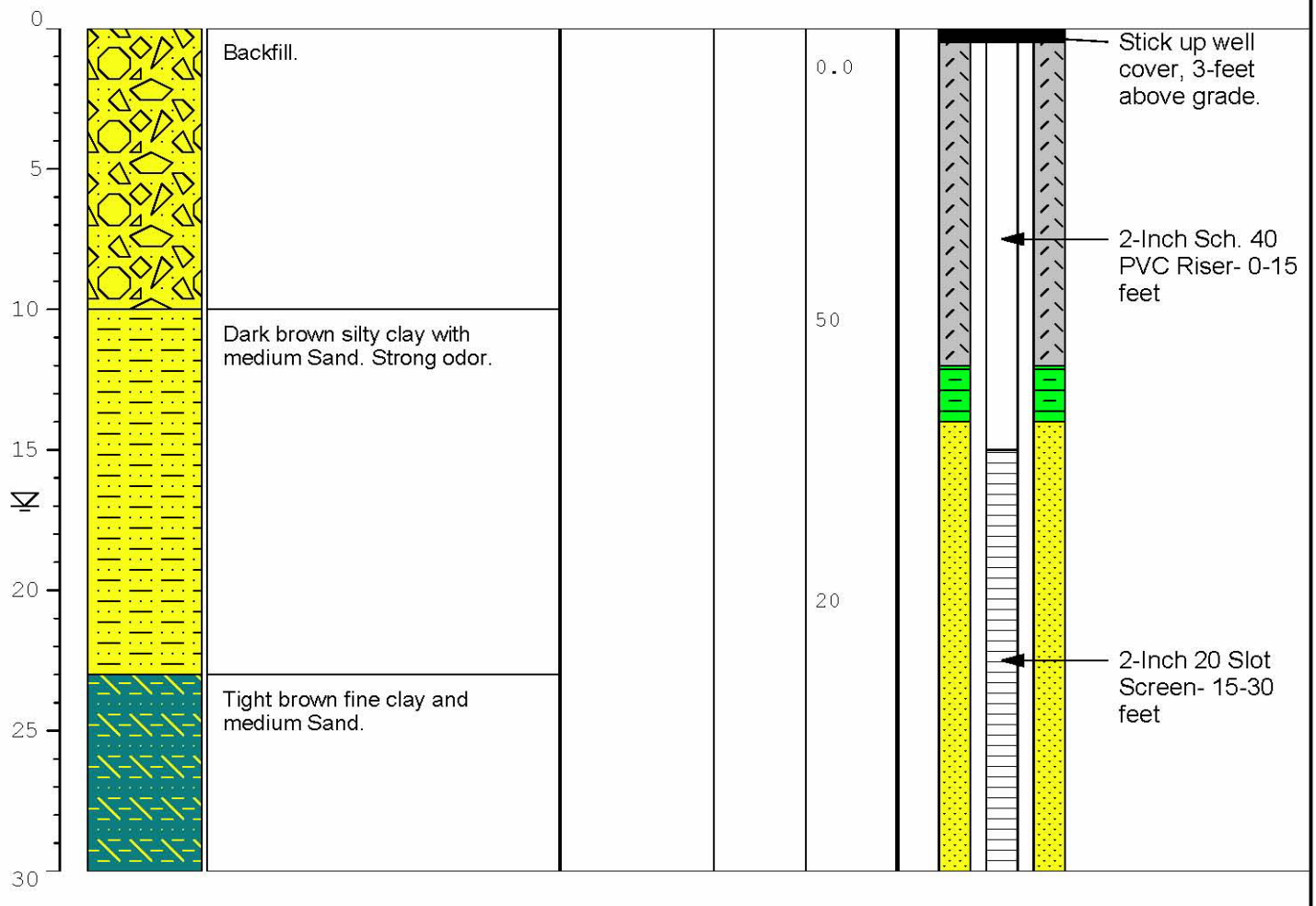
BOREHOLE NO.: **MW-8**

TOTAL DEPTH: **30'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	**Via Verde**	DRILLING CO.:	**Aarco Environmental**
SITE LOCATION:	**700-730 Brook Avenue**	DRILLER:	**Kevin and John**
JOB NO.:	**Via Verde**	RIG TYPE:	**Geo-probe 7822DT**
LOGGED BY:	**Victoria Whelan**	METHOD OF DRILLING:	**4 " Hollow stem augers**
PROJECT MANAGER:	**Richard Izzo**	SAMPLING METHODS:	**From auger flytes**
DATES DRILLED:	**7/11/11**	HAMMER WT./DROP	**NA**

⧖ Water level in well

DEPTH FEET	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION



NOTES: Sunny, hot and humid.

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Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **MW-9**

TOTAL DEPTH: **30'**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Via Verde	DRILLING CO.:	Aarco Environmental
SITE LOCATION:	700-730 Brook Avenue	DRILLER:	Kevin and John
JOB NO.:	Via Verde	RIG TYPE:	Geo-probe 7822DT
LOGGED BY:	Victoria Whelan	METHOD OF DRILLING:	4 " Hollow stem augers
PROJECT MANAGER:	Richard Izzo	SAMPLING METHODS:	From auger flytes
DATES DRILLED:	7/13/11	HAMMER WT./DROP	NA

▽ Water level in well

DEPTH FEET	SOIL TYPE	SOIL DESCRIPTION	SAMPLE NUMBER	Blows per ft.	PID ppm	BORING COMPLETION	WELL DESCRIPTION
0–5		Backfill.			0.0		Stick up well cover, 3-feet above grade.
5–10		Backfill.					2-Inch Sch. 40 PVC Riser- 0-15 feet
10–30		Medium Sand, no odor.			0.0		
15 ▽							
20–30					0.0		2-Inch 20 Slot Screen- 15-30 feet

NOTES:

APPENDIX G

Quality Assurance Project Plan

APPENDIX G

QUALITY ASSURANCE PROJECT PLAN (QAPP)
FOR THE
SITE MANAGEMENT PLAN (SMP)
AT
New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, NY
BCP Site ID: C203043

Prepared By:

Prepared by
CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803
(516) 57608844

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QUALITY ASSURANCE PROJECT PLAN (QAPP)
FOR THE
SITE MANAGEMENT PLAN (SMP)
AT
New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, NY
BCP Site ID: C203043

This document describes sampling and analytical methods for the Site Management Plan.

1.0 Introduction - The following Quality Assurance Plan (QAPP) has been prepared specifically for the Via Verde SMP. This Plan was prepared and approved as stated below:

Prepared by: _____ Date: 11-16-10

Richard J. Izzo, Associate

Approved by: _____ Date: 11-16-10

Stephen Malinowski, Associate

The following elements are included in this QAPP:

Table of Contents
Title Page and Introduction
Project Description
Project Organization
Quality Assurance Objectives for Data Measurements
Sampling Procedure
Sample and Document Custody Procedures
Calibration Procedures and Frequency
Analytical Procedures
Data Reduction, Validation and Reporting
Internal Quality Control Checks

Performance and System Audits

Preventive Maintenance

Data Measurement Assessment Procedures

Corrective Action

Quality Assurance Reports and Management

1.1 Project Description – The Via Verde SMP subject to this QAPP has been prepared for implementation of the SMP. The SMP implements and manages 1) IC/ECs; 2) soil vapor, indoor/outdoor air, and groundwater monitoring; 3) operation and maintenance of a pump and treat and SSD system; and, 4) performance of inspections and submittal of reports.

1.2 Project Organization - Ms. Deborah Shapiro will serve as the Project Director/Manager (PM) and will be responsible for the overall scheduling and performance of all the SMP activities.

Mr. Stephen Malinowski will serve as the Quality Assurance Officer (QAO) for this project. His duties will include:

- Review of laboratory data packages
- Interface with laboratory
- Performance of Field Audits

Experienced CA RICH staff will complete the field activities described in the SMP.

1.3 Quality Assurance Objectives and Data Measurement – There are two sources of data collection methodology that will provide data information during this SMP.

Field Screening - Organic vapor and lower explosive limit (LEL) readings will be recorded from soil vapor and indoor/ambient air samples, if needed, during implementation of the SMP. This data is intended to be used only as a screening tool. To meet these goals, clean sampling tools will be used and the PID and LEL will be calibrated at the beginning of each screening day.

Laboratory Analysis – All environmental samples will be delivered to a NYS-Certified laboratory contracted to CA RICH for chemical analysis. The soil vapor and indoor/ambient air samples will be analyzed for VOCs via EPA Method TO-15. The post-remedial groundwater samples will be analyzed for VOCs via EPA Method 8260. The soil vapor and indoor/ambient air sample data are intended to confirm that the ECs in effect are sufficient. The groundwater data will assess the performance of the in-situ chemical oxidation treatment. The laboratory will follow the NYSDEC – Analytical Services Protocol dated 1995. All samples will be analyzed using NYSDEC ASP Category B deliverables. All samples will be collected in pre-cleaned laboratory supplied containers, placed in iced-filled coolers, and delivered to the laboratory by CA RICH within 48 hours of collection.

Quality assurance objectives are generally defined in terms of five parameters:

- **Representativeness** - Representativeness is the degree to which sampling data accurately and precisely represents Site conditions, and is dependent on sampling and analytical variability. The SMP has been designed to assess the presence of the constituents at the time of sampling. The Plan presents the rationale for sample quantities and location. The SMP presents field sampling methodologies and laboratory analytical methodologies, respectively.

The use of the prescribed field and laboratory analytical methods with associated holding times and preservation requirements are intended to provide representative data. Further discussion of QC checks is presented in Section 1.5 of this document.

- **Comparability** - Comparability is the degree of confidence with which one data set can be compared to another. Comparability between the remedial activities and to the extent possible, with existing data will be maintained through consistent sampling and analytical methodology set forth in the QAPP, the NYSDEC ASP analytical methods with NYSDEC ASP QA/QC requirements (1995), and through use of QA/QC procedures and appropriately trained personnel.

- **Completeness** - Completeness is defined as a measure of the amount of valid data obtained from an event and/or investigation compared to the amount that was expected to be obtained under normal conditions. This will be determined upon assessment of the analytical results, as discussed in Section 1.12 of this document.

- **Precision** - Precision is the measure of reproducibility of sample results. The goal is to maintain a level of analytical precision consistent with the objectives of the Pre-Design Investigation and Remedial Action. To maximize precision, sampling and analytical procedures will be followed. All work for the SMP will adhere to established protocols presented in the QAPP. Checks for analytical precision will include the analysis of field duplicates. Checks for field measurement precision will include obtaining duplicate field measurements. Further discussion of precision QC checks is provided in Section 1.12 of this document.

- **Accuracy** - Accuracy is the deviation of a measurement from the true value of a known standard. Both field and analytical accuracy will be monitored through initial and continuing calibration of instruments. In addition, internal standards, matrix spikes, blank spikes, and surrogates (system monitoring compounds) will be used to assess the accuracy of the laboratory analytical data. Further discussion of these QC samples is provided in Section 1.12 of this document.

1.4 Sampling Procedures - The sampling procedures that will be employed are discussed in detail in Section 3.3 of the SMP.

1.5 Sample and Document Custody Procedures

- **General** - The Chain-of-Custody program allows for the tracing of possession and handling of the sample from the time of collection through laboratory analysis. The chain-of-custody program at this Site will include:
  - Sample labels
  - Chain-of-Custody records
  - Field records

- **Sample Labels** - To prevent misidentification of samples, a label will be affixed to the sample container and will contain the following information:
  -Site Name
  -Sample identification number
  -Date and time of collection
  -Name of Sampler
  -Preservation (if any)
  -Type of analysis to be conducted.

- **Chain-of-Custody Records** - To establish the documentation that is necessary to trace sample possession from the time of collection, a chain-of-custody record (sample attached as Figure 1) will be filled out and will accompany samples at all times. The record will contain the following information:
  -Project name:
  -Printed name and signature of samplers
  -Sample number
  -Date and time of collection
  -Sampling location
  -Number of containers for each sample

-Signature of individuals involved in sample transfer
(when relinquishing and accepting samples)
-Inclusive dates and times of possession.

- **Field Records** - Field records will be maintained during each sampling effort in a logbook. All aspects of sample collection, handling and visual observations will be recorded. All sample collection equipment, field analytical equipment and equipment utilized to make physical measurements will be identified in the field logbook.

  All calculations, results and calibration data for field sampling, field analytical and field physical measurement equipment will also be recorded in the field logbook. Entries will be dated and initialed. Entries will be made in ink, and will be legible. The bottom of each page will be signed.

1.6 Calibration Procedures and Frequency - The contracted laboratory will follow the NYSDEC Category-B requirements for equipment calibration procedures and frequency.

The QA Officer and/or PM will be responsible for ensuring that the Field PID and/or LEL are calibrated at the beginning of each day of field sampling using calibration gas supplied by the manufacturer. A log of the meter calibration will be kept in the filed logbook.

1.7 Analytical Procedures - The laboratory analysis includes VOCs using EPA Method 8260 and VOCs using EPA Method TO-15 and will follow NYSDEC ASP (1995) protocols with Category B deliverables. The following samples will be collected for QA/QC purposes for the groundwater sampling: 1 trip blank, 1 field blank (per day of field work), 1 duplicate sample, 1 matrix spike, and 1 matrix spike duplicate. A qualified data validator will review the laboratory data and a Data Usability Summary Report (DUSR) will be prepared.

1.8 Data Reduction, Validation and Reporting

CA RICH will prepare summary tables of the analytical data using computer spread sheet software. The data entries will be reviewed using the red check-green check method. All entries will be reviewed and entry errors will be marked in red ink. Once these entries are corrected, the printouts will be marked with green ink and placed in the project file.

1.9 Internal Quality Control Checks

Both field and laboratory quality control checks are proposed for this project. In the event that there are any deviations from these checks, the Project Manager and Quality Assurance Officer will be notified. The proposed field and laboratory control checks are discussed below.

Field Quality Control Checks

- **Sample Containers -** Certified-clean sample containers in accordance with NYSDEC ASP (1995) will be supplied by the contracted laboratory.

- **Field Duplicates** - Field duplicates will be collected to check reproducibility of the sampling methods. In general, field duplicates will be analyzed at a five percent frequency (every 20 samples).

1.10 Performance and Systems Audits

Performance and systems audits will be completed in the field and the laboratory during implementation of the SMP as described below.

- **Field Audits -** The PM and QAO will monitor field performance. Field performance audit summaries will contain an evaluation of field measurements and field meter calibrations to verify that measurements are taken according to established protocols. The PM will review all field logs. In addition, the PM and the QAO will review the duplicate sample data to identify potential deficiencies in field sampling procedures.

- **Laboratory Audits** – The contracted laboratory will perform internal audits consistent with NYSDEC ASP (1995).

1.11 Preventive Maintenance

Preventive maintenance schedules have been developed for both field and laboratory instruments. A summary of the maintenance activities to be performed is presented below.

- **Field Instruments and Equipment -** Prior to any field sampling, each piece of field equipment will be inspected to assure it is operational. If the equipment is not operational, it must be serviced prior to use. All meters which require charging or batteries will be fully charged or have fresh batteries. If instrument servicing is required, it is the responsibility of the field personnel to follow the maintenance schedule and arrange for prompt service.

- **Laboratory Instruments and Equipment -** Laboratory instrument and equipment procedures will be documented by the laboratory. Documentation includes details of any observed problems, corrective measure(s), routine maintenance, and instrument repair (which will include information regarding the repair and the individual who performed the repair).

  Preventive maintenance of laboratory equipment generally will follow the guidelines recommended by the manufacturer. A malfunctioning instrument will be repaired immediately by in-house staff or through a service call from the manufacturer.

1.12 Data Assessment Procedures

The analytical data generated during the SMP will be evaluated with respect to precision, accuracy, and completeness. The procedures utilized when assessing data precision, accuracy, and completeness are presented below.

- **Data Precision Assessment Procedures -** Field precision is difficult to measure because of temporal variations in field parameters. However, precision will be controlled through the use of experienced field personnel, properly calibrated meters, and duplicate field measurements. Field duplicates will be used to assess precision for the entire measurement system including sampling, handling, shipping, storage, preparation and analysis.

  Laboratory data precision for organic analyses will be monitored through the use of duplicate sample analyses. For other parameters, laboratory data precision will be monitored through the use of field duplicates and/or laboratory duplicates.

  The precision of data will be measured by calculation of the standard deviation (SD) and the coefficient of variation (CV) of duplicate sample sets. The SD and CV are calculated for duplicate sample sets by:

$$SD = (A-B)/1.414$$

$$CV = SD/((A+B)/2) = 1.414(A-B)/(A+B)$$

Where:

A = Analytical result from one of two duplicate measurements

B = Analytical result from the second measurement.

Where appropriate, A and B may be either the raw measurement or an appropriate mathematical transformation of the raw measurement (e.g., the logarithm of the concentration of a substance).

Alternately, the relative percent difference (RPD) can be calculated by the following equation:

$$RPD = \frac{(A-B)}{(A+B)/2} \times 100$$

$$RPD = 1.414\ (CV)(100)$$

- **Data Accuracy Assessment Procedures -** The accuracy of field measurements will be controlled by experienced field personnel, properly calibrated field meters, and adherence to established protocols. The accuracy of field meters will be assessed by review of calibration and maintenance logs.

  Laboratory accuracy will be assessed via the use of matrix spikes, surrogate spikes, and internal standards. Where available and appropriate, QA performance standards will be analyzed periodically to assess laboratory accuracy. Accuracy will be calculated as a percent recovery as follows:

$$Accuracy = \frac{(A-X)}{B} \times 100$$

Where:

A = Value measured in spiked sample or standard

X = Value measured in original sample

B = True value of amount added to sample or true value of standard

This formula is derived under the assumption of constant accuracy over the original and spiked measurements. If any accuracy calculated by this formula is outside of the acceptable levels, data will be evaluated to determine whether the deviation represents unacceptable accuracy, or variable, but acceptable accuracy. Accuracy objectives for matrix spike recoveries and surrogate recovery objectives are identified in the NYSDEC ASP (1995).

- **Data Completeness Assessment Procedures -** Completeness of a field or laboratory data set will be calculated by comparing the number of samples collected or analyzed to the proposed number.

$$\text{Completeness} = \frac{\text{No. Valid Samples Collected or Analyzed}}{\text{No. Proposed Samples Collected or Analyzed}} \times 100$$

As general guidelines, overall project completeness is expected to be at least 90 percent. The assessment of completeness will require professional judgment to determine data useability for intended purposes.

1.13 Corrective Action

Corrective actions are required when field or analytical data are not within the objectives specified in this QAPP. Corrective actions include procedures to promptly investigate, document, evaluate, and correct data collection and/or analytical procedures. Field and laboratory corrective action procedures for this project are described below.

- **Field Procedures** - When conducting the field work, if a condition is noted that would have an adverse effect on data quality, corrective action will be taken so as not to repeat this condition. Condition identification, cause and corrective action implemented will be documented as a memo to the project file and reported to the PM.

Examples of situations which would require corrective actions are provided below:

- Protocols as defined by the QAPP and the SMP have not been followed;
- Equipment is not in proper working order or properly calibrated;
- QC requirements have not been met; and
- Issues resulting from performance or systems audits.

Project field personnel will continuously monitor ongoing work performance in the normal course of daily responsibilities.

- **Laboratory Procedures -** In the laboratory, when a condition is noted to have an adverse effect on data quality, corrective action will be taken as not to repeat this condition. Condition identification, cause and corrective action to be taken will be documented, and reported to the QAO.

Corrective action may be initiated, at a minimum, under the following conditions:

- Specific laboratory analytical protocols have not been followed;
- Predetermined data acceptance standards are not obtained;
- Equipment is not in proper working order or calibrated;
- Sample and test results are not completely traceable;
- QC requirements have not been met; and
- Issues resulting from performance or systems audits.

Laboratory personnel will continuously monitor ongoing work performance in the normal course of daily responsibilities.

1.14 Quality Assurance Reports to Management

- **Internal Reporting -**The analytical laboratory will submit analytical reports using NYSDEC ASP (1995), Category B requirements. The analytical reports will be submitted to the data validator for review. Supporting data (i.e., historic data, related field or laboratory data) will also be reviewed to evaluate data quality, as appropriate. The QAO will incorporate results of data validation reports (if any) and assessments of data usability into a summary report. This report will be filed in the project file and will include the following:
  - Assessment of data accuracy, precision, and completeness for field & laboratory data;
  - Results of the performance and systems audits;
  - Significant QA/AC problems, solutions, corrections, and potential consequences;

- Analytical data validation report; and
- Data usability report.

- **Reporting** - The reports will contain a separate QA/QC section summarizing the quality of data collected and/or used as appropriate to the project DQOs. The QAO will prepare the QA/QC summaries using reports and memoranda documenting the data assessment and validation.

APPENDIX H

Inspection Forms

Site-Wide Inspection Check List
NEW HOUSING NEW YORK LEGACY PROJECT
700-730 BROOK AVENUE
Bronx, New York
BCP SITE #C203043

Compliances to be Addressed	Comments
Provide an evaluation of the condition and continued effectiveness of engineering controls (foundation walls/slabs, vapor barrier, and concrete sidewalks).	
Are all institutional controls, including Site usage in compliance?	
What are the general Site conditions?	
Are Site management activies being conducted including, confirmation sampling and a health and safety inspection?	
Are all Site records up to date?	
Does Site access remain available to maintain engineering controls?	
Are all permits and schedules included in the Operation and Maintenance Plan in Compliance?	

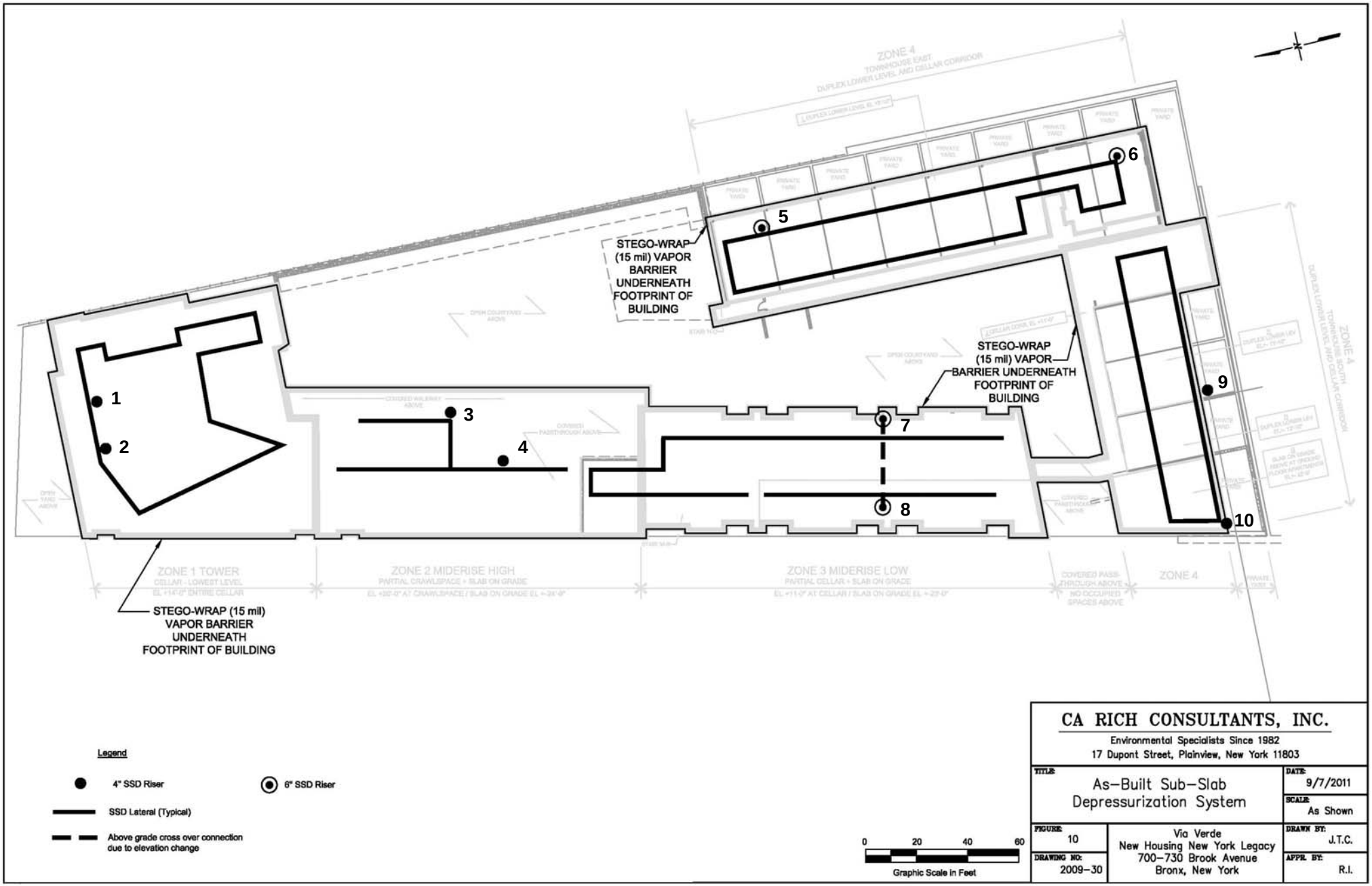
Inspector-
Date/Time-

Operation and Maintenance Check List, Sub-Slab Depressurization System
New Housing New York Legacy Site
700-730 BROOK AVENUE
Bronx, New York
BCP SITE #C203043

Name:	Weather:					
Components to be Checked	**Date:**	**Date:**	**Date:**	**Date:**	**Date:**	**Date:**
Is the system operating? Yes/No (if no please explain)						
Record the pressure from each riser.*	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10
Record PID reading from each riser.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10
Pressure gauge and exterior case clear? Yes/No (if no please explain)	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10	1. 2. 3. 4. 5. 6. 7. 8. 9. 10

** refer to attached figure for riser locations*

Additional Comments:



CA RICH CONSULTANTS, INC.

Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

TITLE: As-Built Sub-Slab Depressurization System	DATE: 9/7/2011
	SCALE: As Shown
FIGURE: 10	DRAWN BY: J.T.C.
DRAWING NO: 2009-30	APPR. BY: R.I.

Via Verde
New Housing New York Legacy
700-730 Brook Avenue
Bronx, New York

Groundwater Sampling Log
New Housing New York Legacy Project
700-730 BROOK AVENUE
Bronx, New York
BCP SITE #C203043

Well ID	Date	Well Integrity	Depth to Water (Feet)	Depth to Bottom (Feet)	Amount Purged (Gallons)	Sample Time	pH	Temperature (° Celsius)	Conductivity (ms/cm)	Oxygen/Reduction Potential (mv)	Dissolved Oxygen (mg/L)
		---	---	---	---						

Comments:

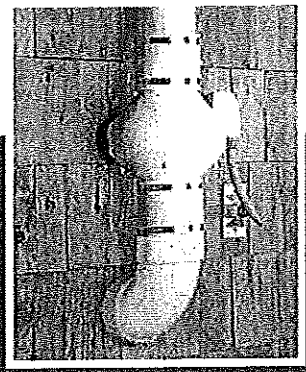
APPENDIX I

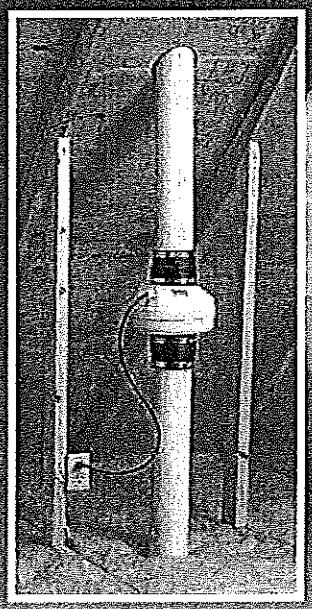
Mechanical Systems Manuals

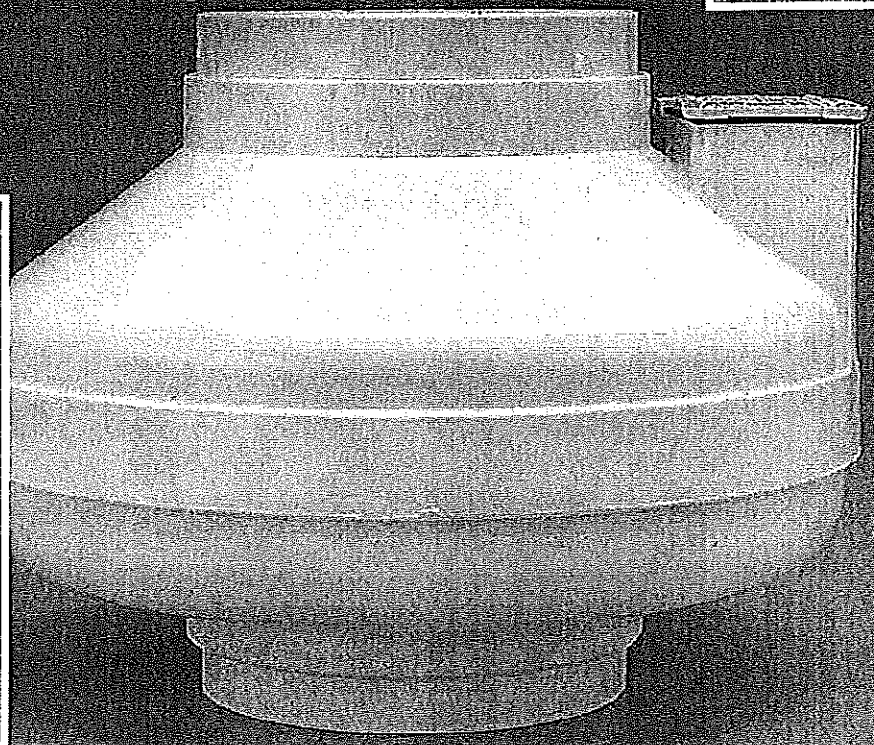
Fantech

HP SERIES

FANS FOR RADON APPLICATIONS
WITH IMPROVED UV RESISTANCE!

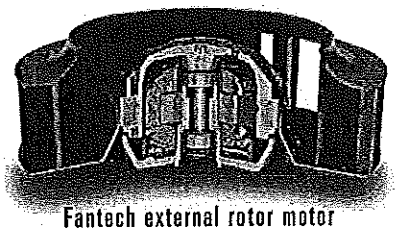






TRUST THE INDUSTRY STANDARD.
HERE'S WHY:

Don't put your reputation at stake by installing a fan you know won't perform like a Fantech! For nearly twenty years, Fantech has manufactured quality ventilation equipment for Radon applications. Fantech is the fan Radon contractors have turned to in over 1,000,000 successful Radon installations worldwide.



Fantech external rotor motor

FANTECH HP SERIES FANS MEET THE CHALLENGES OF RADON APPLICATIONS:

HOUSING
- UV resistant, UL Listed durable plastic
- UL Listed for use in commercial applications
- Factory sealed to prevent leakage
- Watertight electrical terminal box
- Approved for mounting In wet locations - i.e. Outdoors

MOTOR
- Totally enclosed for protection
- High efficiency EBM motorized impeller
- Automatic reset thermal overload protection
- Average life expectancy of 7-10 years under continuous load conditions

RELIABILITY
- Five Year Full Factory Warranty
- Over 1,000,000 successful radon installations worldwide

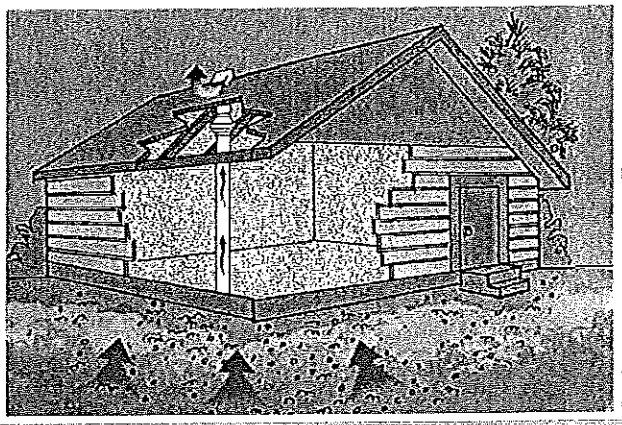
IMPROVING INDOOR AIR QUALITY THROUGH BETTER VENTILATION

www.fantech.net

Fantech

HP Series Fans are Specially Designed with Higher Pressure Capabilities for Radon Mitigation Applications

MOST RADON MITIGATORS WHO PREVIOUSLY USED THE FANTECH FR SERIES FANS HAVE SWITCHED TO THE NEW HP SERIES.



PERFORMANCE DATA

Fan Model	Volts	Wattage Range	Max. Amps	CFM vs. Static Pressure in Inches W.G.								Max. Ps
				0"	0.5"	0.75"	1.0"	1.25"	1.5"	1.75"	2.0"	
HP2133	115	14 - 20	0.17	134	68	19	-	-	-	-	-	0.84
HP2190	115	60 - 85	0.78	163	126	104	81	58	35	15	-	1.93
HP175	115	44 - 65	0.57	151	112	91	70	40	12	-	-	1.66
HP190	115	60 - 85	0.78	157	123	106	89	67	45	18	1	2.01
HP220	115	85 - 152	1.30	344	260	226	193	166	137	102	58	2.46

HVI MEMBER™

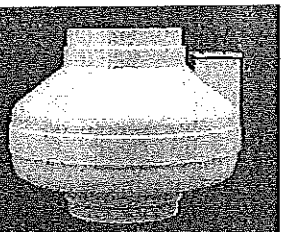
PERFORMANCE CURVES

Fantech provides you with independently tested performance specifications.

The performance curves shown in this brochure are representative of the actual test results recorded at Texas Engineering Experiment Station/Energy Systems Lab, a recognized testing authority for HVI. Testing was done in accordance with AMCA Standard 210-85 and HVI 916 Test Procedures. Performance graphs show air flow vs. static pressure.

Use of HP Series fans in low resistance applications such as bathroom venting will result in elevated sound levels. We suggest FR Series or other Fantech fans for such applications.

HP FEATURES INCLUDE

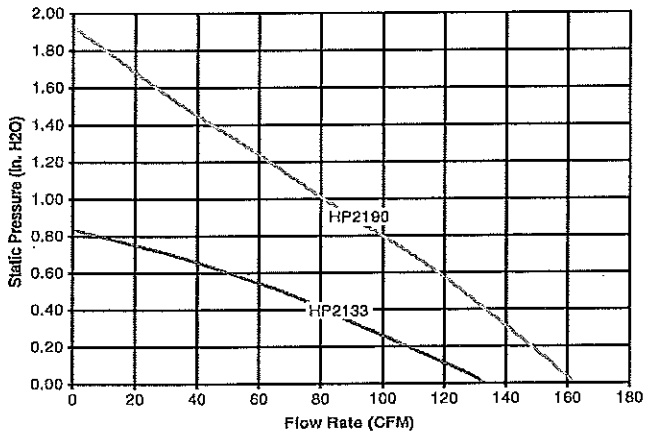


- Improved UV resistant housings approved for commercial applications.
- UL Approved for Wet Locations (Outdoors)
- Sealed housings and wiring boxes to prevent Radon leakage or water penetration
- Energy efficient permanent split capacitor motors
- External wiring box
- Full Five Year Factory Warranty

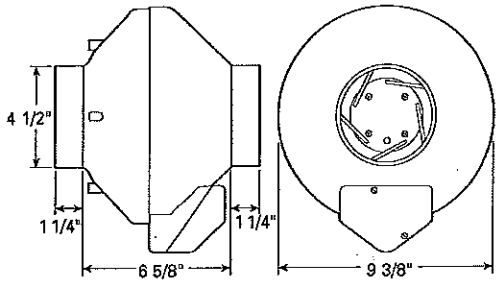
c UL us

NOTE:
Installations that will result in condensate forming in the outlet ducting should have a condensate bypass installed to route the condensate outside of the fan housing. Conditions that are likely to produce condensate include but are not limited to: outdoor installations in cold climates, long lengths of outlet ducting, high moisture content in soil and thin wall or aluminum outlet ducting. Failure to install a proper condensate bypass may void any warranty claims.

HP2133 & HP2190 RADON MITIGATION FANS



Tested with 4" ID duct and standard couplings.

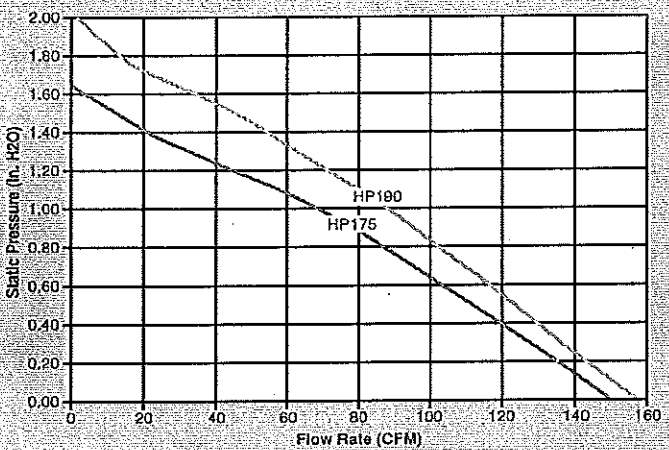


HP2133 – For applications where lower pressure and flow are needed. Record low power consumption of 14-20 watts! Often used where there is good sub slab communication and lower Radon levels.

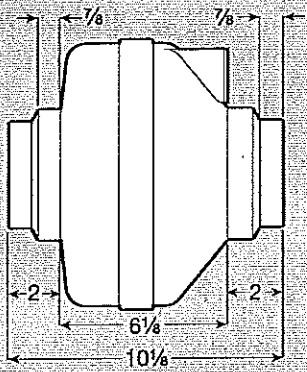
HP2190 – Performance like the HP190 but in a smaller housing. Performance suitable for the majority of installations.

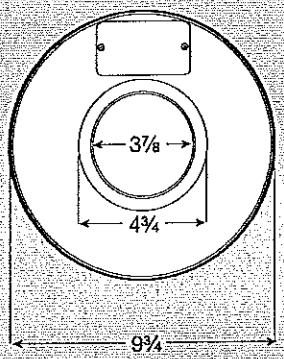
Fans are attached to PVC pipe using flexible couplings.
For 4" PVC pipe use Indiana Seals #156-44, Pipeconx PCX 56-44 or equivalent.
For 3" PVC pipe use Indiana Seals #156-43, Pipeconx PCX 56-43 or equivalent.

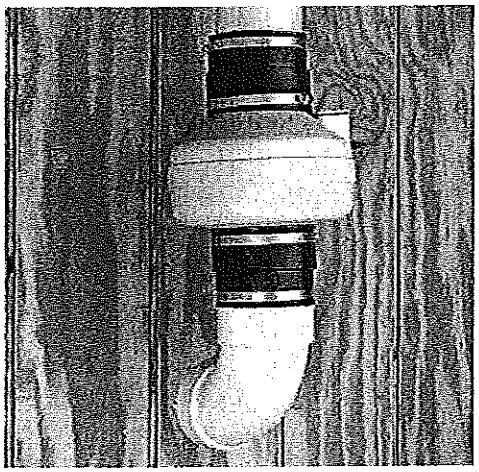
HP175 & HP190 RADON MITIGATION FANS



Tested with 4" ID duct and standard couplings.





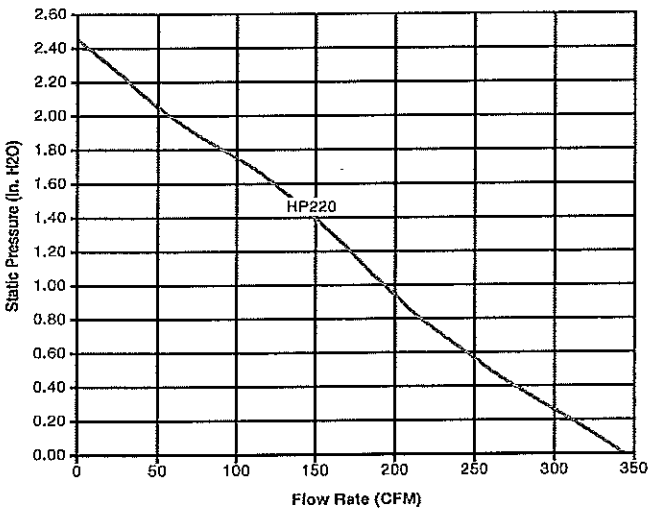


HP175 – The economical choice where slightly less air flow is needed. Often used where there is good sub slab communication and lower Radon levels.

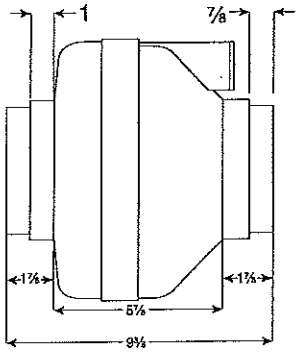
HP190 – The standard for Radon Mitigation. Ideally tailored performance curve for a vast majority of your mitigations.

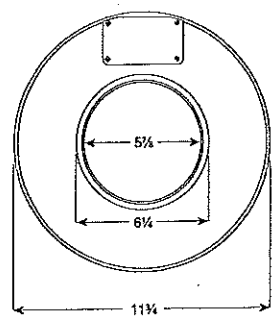
Fans are attached to PVC pipe using flexible couplings.
For 4" PVC pipe use Indiana Seals #151-44, Pipeconx PCX 51-44 or equivalent.
For 3" PVC pipe use Indiana Seals #156-43, Pipeconx PCX 56-43 or equivalent.

HP220 RADON MITIGATION FAN



Tested with 6" ID duct and standard couplings.

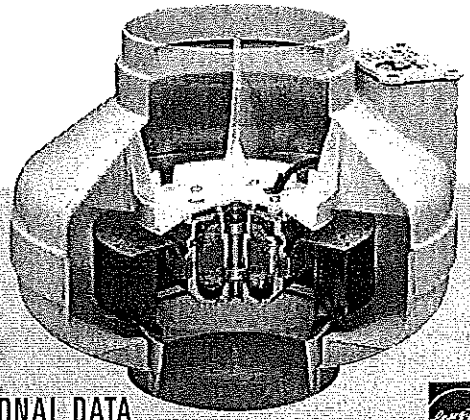




HP 220 – Excellent choice for systems with elevated radon levels, poor communication, multiple suction points and large subslab footprint. Replaces FR 175.

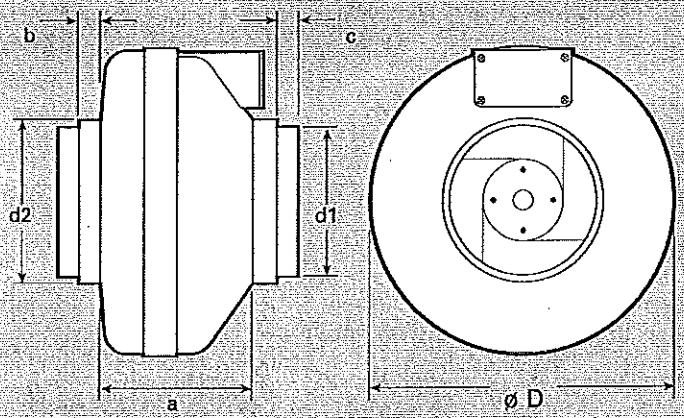
Fans are attached to PVC pipe using flexible couplings.
For 4" PVC pipe use Indiana Seals #156-64, Pipeconx PCX 56-64 or equivalent.
For 3" PVC pipe use Indiana Seals #156-63, Pipeconx PCX 56-63 or equivalent.

Fantech



FR SERIES

THE ORIGINAL MITIGATOR



DIMENSIONAL DATA

model	øD	d1	d2	a	b	c
FR100	9 1/2	3 7/8	4 7/8	6 1/8	7/8	7/8
FR110	9 1/2	3 7/8	4 7/8	6 1/8	7/8	7/8
FR125	9 1/2	–	4 7/8	6 1/8	7/8	–
FR140	11 3/4	5 7/8	6 1/4	5 7/8	1	7/8
FR150	11 3/4	5 7/8	6 1/4	5 7/8	1	7/8
FR160	11 3/4	5 7/8	6 1/4	6 3/8	1	7/8
FR200	13 1/4	7 7/8	9 7/8	6 1/4	1 1/2	1 1/2
FR225	13 1/4	7 7/8	9 7/8	6 1/4	1 1/2	1 1/2
FR250	13 1/4	–	9 7/8	6 1/4	–	1 1/2

All dimensions in inches

PERFORMANCE DATA

Fan Model	Energy Star	RPM	Volts	Rated Watts	Wattage Range	Max. Amps	CFM vs. Static Pressure in Inches W.G.							Max. Ps	Duct Dia.
							0"	.2"	.4"	.6"	.8"	1.0"	1.5"		
FR100	✓	2900	115	19	13 - 19	0.18	122	100	78	55	15	-	-	0.87"	4"
FR125	✓	2950	115	18	15 - 18	0.18	148	120	88	47	-	-	-	0.79"	5"
FR150	✓	2750	120	71	54 - 72	0.67	263	230	198	167	136	106	17	1.58"	6"
FR160	-	2750	115	129	103 - 130	1.14	289	260	233	206	179	154	89	2.32"	6"
FR200	✓	2750	115	122	106 - 128	1.11	408	360	308	259	213	173	72	2.14"	8"
FR225	✓	3100	115	137	111 - 152	1.35	429	400	366	332	297	260	168	2.48"	8"
FR250*	-	2850	115	241	146 - 248	2.40	649	600	553	506	454	403	294	2.58"	10"

FR Series performance is shown with ducted outlet. Per HVI's Certified Ratings Program, charted air flow performance has been derated by a factor based on actual test results and the certified rate at .2 inches WG.
** Also available with 8" duct connection. Model FR 250-8, Special Order.*

NOTE:
Installations that will result in condensate forming in the outlet ducting should have a condensate bypass installed to route the condensate outside of the fan housing. Conditions that are likely to produce condensate include but are not limited to: outdoor installations in cold climates, long lengths of outlet ducting, high moisture content in soil and thin wall or aluminum outlet ducting. Failure to install a proper condensate bypass may void any warranty claims.

FIVE YEAR WARRANTY

DURING ENTIRE WARRANTY PERIOD:

FANTECH will replace any fan which has a factory defect in workmanship or material. Product may need to be returned to the Fantech factory, together with a copy of the bill of sale and identified with RMA number.

FOR FACTORY RETURN YOU MUST:

- Have a Return Materials Authorization (RMA) number. This may be obtained by calling FANTECH either in the USA at 1.800.747.1762 or in CANADA at 1.800.565.3548. Please have bill of sale available.
- The RMA number must be clearly written on the outside of the carton, or the carton will be refused.
- All parts and/or product will be repaired/replaced and shipped back to buyer; no credit will be issued.

OR

The Distributor may place an order for the warranty fan and is invoiced.
The Distributor will receive a credit equal to the invoice only after product is returned prepaid and verified to be defective.

FANTECH WARRANTY TERMS DO NOT PROVIDE FOR REPLACEMENT WITHOUT CHARGE PRIOR TO INSPECTION FOR A DEFECT. REPLACEMENTS ISSUED IN ADVANCE OF DEFECT INSPECTION ARE INVOICED, AND CREDIT IS PENDING INSPECTION OF RETURNED MATERIAL. DEFECTIVE MATERIAL RETURNED BY END USERS SHOULD NOT BE REPLACED BY THE DISTRIBUTOR WITHOUT CHARGE TO THE END USER, AS CREDIT TO DISTRIBUTOR'S ACCOUNT WILL BE PENDING INSPECTION AND VERIFICATION OF ACTUAL DEFECT BY FANTECH.

THE FOLLOWING WARRANTIES DO NOT APPLY:

- Damages from shipping, either concealed or visible. Claim must be filed with freight company.
- Damages resulting from improper wiring or installation.
- Damages or failure caused by acts of God, or resulting from improper consumer procedures, such as:

1. Improper maintenance
2. Misuse, abuse, abnormal use, or accident, and
3. Incorrect electrical voltage or current.

- Removal or any alteration made on the FANTECH label control number or date of manufacture.
- Any other warranty, expressed, implied or written, and to any consequential or incidental damages, loss or property, revenues, or profit, or costs of removal, installation or reinstallation, for any breach of warranty.

WARRANTY VALIDATION

- The user must keep a copy of the bill of sale to verify purchase date.
- These warranties give you specific legal rights, and are subject to an applicable consumer protection legislation. You may have additional rights which vary from state to state.

DISTRIBUTED BY:

Fantech
United States 1712 Northgate Blvd. • Sarasota, FL. 34234 • 1.800.747.1762 • www.fantech.net
Canada 50 Kanalflakt Way • Bouctouche, NB E4S 3M5 • 1.800.565.3548 • www.fantech.ca

Item #: 411741
Rev Date: 120407

Fantech, reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.

Fantech

Installation Instructions for
Radon Fans Model HP/FR

READ & SAVE THESE INSTRUCTIONS!

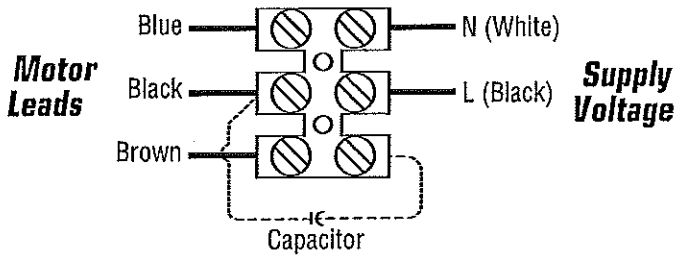
Warnings

DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED, MAKE SURE ELECTRICAL SERVICE TO THE FAN IS LOCKED IN "OFF: POSITION.

1. Suitable for use with solid-state speed control.
2. This unit has rotating parts and safety precautions should be exercised during installation, operation and maintenance.
3. CAUTION: "For General Ventilation Use Only. Do Not Use To Exhaust Hazardous Or Explosives Materials and Vapors."
4. **WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS-OBSERVE THE FOLLOWING:**
   a. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the factory.
   b. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
   c. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
   d. The combustion airflow needed for safe operation of fuel burning equipment may be affected by this unit's operation. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) and the local code authorities.
   e. When cutting or drilling into wall or ceiling, do not damage electrical wires or other hidden utilities.
   f. Ducted fans must always be vented to the outdoors.
   g. If this unit is to be installed over a tub or shower, it must be marked as appropriate for the application.
   h. NEVER place a switch where it can be reached from a tub or shower.
5. WARNING! Check voltage at the fan to see if it corresponds to the motor nameplate.

GUARDS MUST BE INSTALLED WHEN FAN IS WITHIN REACH OF PERSONNEL OR WITHIN SEVEN (7) FEET OF WORKING LEVEL OR WHEN DEEMED ADVISABLE FOR SAFETY.

Wiring Diagram



Five (5) Year Warranty

This warranty supersedes all prior warranties

Installation that will result in condensate forming in the outlet ducting should have a condensate bypass installed to route the condensate outside of the fan housing. Conditions that are likely to produce condensate include but are not limited to: outdoor installations in cold climates, long lengths of outlet duction, high moisture content in soil and thin wall or aluminum outlet ducting. Failure to install a proper condensate bypass may void any warranty claims.

DURING ENTIRE WARRANTY PERIOD:

FANTECH will repair or replace any part which has a factory defect in workmanship or material. Product may need to be returned to the fantech factory, together with a copy of the bill of sale and identified with RMA number.

FOR FACTORY RETURN YOU MUST:

- Have a Return Materials Authorization (RMA) number. This may be obtained by calling FANTECH either in the USA at 1.800.747.1762 or in CANADA at 1.800.565.3548. Please have bill of sale available.
- The RMA number must be clearly written on the outside of the carton, or the carton will be refused.
- All parts and/or product will be repaired/replaced and shipped back to buyer; no credit will be issued.

OR

The Distributor may place an order for the warranty part and/or product and is invoiced. The Distributor will receive a credit equal to the invoice only after product is returned prepaid and verified to be defective.

FANTECH WARRANTY TERMS DO NOT PROVIDE FOR REPLACEMENT WITHOUT CHARGE PRIOR TO INSPECTION FOR A DEFECT. REPLACEMENTS ISSUED IN ADVANCE OF DEFECT INSPECTION ARE INVOICED, AND CREDIT IS PENDING INSPECTION OF RETURNED MATERIAL. DEFECTIVE MATERIAL RETURNED BY END USERS SHOULD NOT BE REPLACED BY THE DISTRIBUTOR WITHOUT CHARGE TO THE END USER, AS CREDIT TO DISTRIBUTOR'S ACCOUNT WILL BE PENDING INSPECTION AND VERIFICATION OF ACTUAL DEFECT BY FANTECH.

THE FOLLOWING WARRANTIES DO NOT APPLY:

- Damages from shipping, either concealed or visible. Claim must be filed with freight company.
- Damages resulting from improper wiring or installation.
- Damages or failure caused by acts of God, or resulting from improper consumer procedures, such as:
  1. Improper maintenance
  2. Misuse, abuse, abnormal use, or accident, and
  3. Incorrect electrical voltage or current.
- Removal or any alteration made on the FANTECH label control number or date of manufacture.
- Any other warranty, expressed, implied or written, and to any consequential or incidental damages, loss or property, revenues, or profit, or costs of removal, installation or reinstallation, for any breach of warranty.

WARRANTY VALIDATION

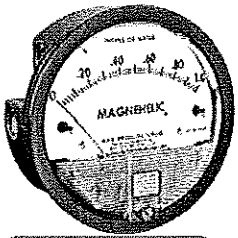
- The user must keep a copy of the bill of sale to verify purchase date.
- These warranties give you specific legal rights, and are subject to an applicable consumer protection legislation. You may have additional rights which vary from state to state.

United States
1712 Northgate Blvd.,
Sarasota, FL. 34234
Phone: 800.747.1762; 941.309.6000
Fax: 800.487.9915; 941.309.6099
www.fantech.net; info@fantech.net

Canada
50 Kanalflakt Way,
Bouctouche, NB E4S 3M5
Phone: 800.565.3548; 506.743.9500
Fax: 877.747.8116; 506.743.9600
www.fantech.ca; info@fantech.ca

Fantech, reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.

Article #: 301077
Item #: 401443
Rev Date: 010307



Series 2000
Magnehelic® Differential Pressure Gage
Indicate Positive, Negative or Differential, Accurate within 2%

Product Details
- Introduction
- Specifications
- Options/Accessories
- Features
- Applications
- Model Chart
- Service Manuals
- Dimensional Drawing
- Catalog Page
- Related Products
- Pricing / Ordering

Product Specifications

Service: Air and non-combustible, compatible gases. (Natural Gas option available.)
Wetted Materials: Consult factory.
Housing: Die cast aluminum case and bezel, with acrylic cover, Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.
Accuracy: ±2% of full scale (±3% on -0, -100PA, -125PA, -10MM and ±4% on -00, -60PA, -6MM ranges), throughout range at 70°F (21.1°C).
Pressure Limits: -20" Hg. to 15 psig.† (-0.677 bar to 1.034 bar); MP option; 35 psig (2.41 bar), HP option; 80 psig (5.52 bar).
Overpressure: Relief plug opens at approximately 25 psig (1.72 bar), standard gages only.
Temperature Limits: 20 to 140°F.* (-6.67 to 60°C).
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Process Connections: 1/8" female NPT duplicate high and low pressure taps - one pair side and one pair back.
Weight: 1 lb 2 oz (510 g); MP & HP 2 lb 2 oz (963 g).
Standard Accessories: Two 1/8" NPT plugs for duplicate pressure taps, two 1/8" pipe thread to rubber tubing adapters and three flush mounting adapterswith screws. (Mounting and snap ring retainer substituted for 3 adapters in MP & HP gage accessories.)

†For applications with high cycle rate within gage total pressure rating, next higher rating is recommended. See Options Page
*Low temperature models available as special option.

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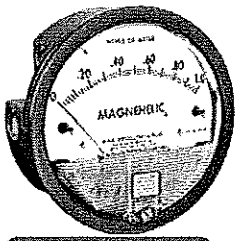

Series 2000
Magnehelic® Differential Pressure Gage
Indicate Positive, Negative or Differential, Accurate within 2%

Product Details
- Introduction
- Specifications
- Options/Accessories
- Features
- Applications
- Model Chart
- Service Manuals
- Dimensional Drawing
- Catalog Page
- Related Products
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Product Features

- **Bezel** provides flange for flush mounting in panel.
- **Clear plastic face** is highly resistant to breakage. Provides undistorted viewing of pointer and scale.
- **Precision litho-printed scale** is accurate and easy to read.
- **Red tipped pointer** of heat treated aluminum tubing is easy to see. It is rigidly mounted on the helix shaft.
- **Pointer stops** of molded rubber prevent pointer over-travel without damage.
- **"Wishbone" assembly** provides mounting for helix, helix bearings and pointer shaft.
- **Jeweled bearings** are shock-resistant mounted; provide virtually friction-free motion for helix. Motion damped with high viscosity silicone fluid.
- **Zero adjustment screw** is conveniently located in the plastic cover, and is accessible without removing the cover. O-ring seal provides pressure tightness.
- **Helix** is precision made from an alloy of high magnetic permeability. Mounted in jeweled bearings, it turns freely, following the magnetic field to move the pointer across the scale.
- **Samarium Cobalt magnet** mounted at one end of range spring rotates helix without mechanical linkages.
- **Calibrated range spring** is flat spring steel. Small amplitude of motion assures consistency and long life. It reacts to pressure on diaphragm. Live length adjustable for calibration.
- **Silicone rubber diaphragm** with integrally molded O-ring is supported by front and rear plates. It is locked and sealed in position with a sealing plate and retaining ring. Diaphragm motion is restricted to prevent damage due to overpressures.
- **Die cast aluminum case** is precision made and iridite-dipped to withstand 168 hour salt spray corrosion test. Exterior finished in baked dark gray hammertoid. One case size is used for all standard pressure options, and for both surface and flush mounting.
- **Blowout plug** of silicone rubber protects against overpressure on 15 psig rated models. Opens at approximately 25 psig.
- **O-ring seal** for cover assures pressure integrity of case.

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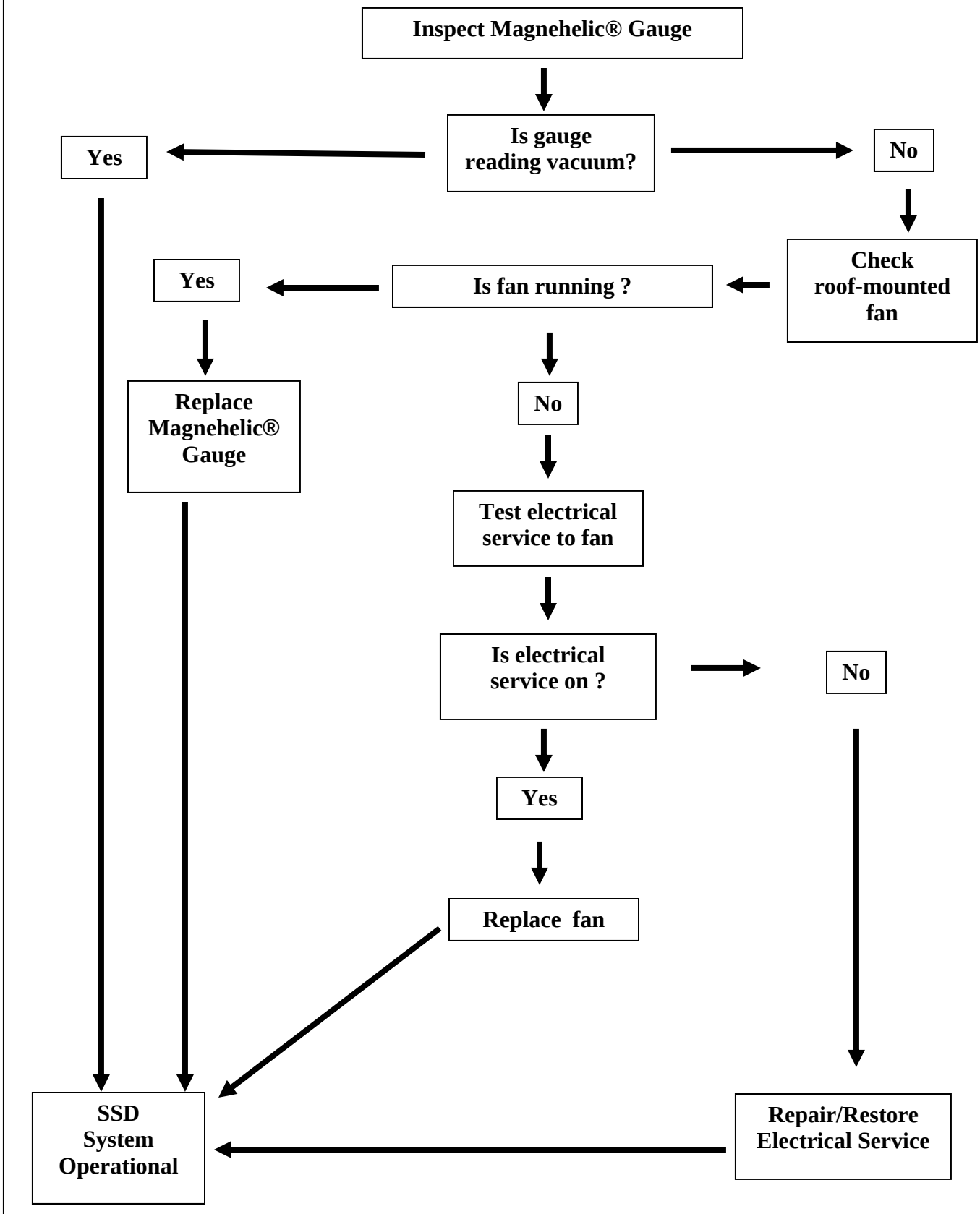
Sub-Slab Depressurization System
Trouble-Shooting Guide



APPENDIX J

Tank Closure Report

Tank Closure Report

VIA VERDE AKA
NEW HOUSING NEW YORK LEGACY PROJECT
700-730 BROOK AVENUE
BRONX, NEW YORK

BCP SITE #C203043
NYSDEC SPILL #0913723

June 2010

Prepared For:

New York State Department of
Environmental Conservation
Division of Environmental Remediation
Region 2
47-40 21st Street
Long Island City, NY 11101-5407

On behalf of:

Via Verde Homes, LLC
Via Verde Rental Associates, L.P.
902 Broadway, 13th Floor
New York, NY 10010-6002

and

City of New York
Department of Housing Preservation and Development
Environmental Planning Unit
100 Gold Street
New York, NY 10038-1635

Prepared by:

CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803-1614

June 10, 2010

New York State Department of
Environmental Conservation
Division of Environmental Remediation
Region 2
47-40 21st Street
Long Island City, New York 11101-5407

Attention: Mr. Hasan Ahmed

RE: Via Verde AKA
New Housing New York Legacy Project
700-730 Brook Avenue
Bronx, New York
BCP Site #C203043
NYSDEC Spill #0913723

Dear Mr. Ahmed:

CA RICH Consultants, Inc. (CA RICH) is pleased to provide you with this Tank Closure Report for the above-referenced property. Based on the findings documented in this Report, CA RICH hereby requests the formal Closure of NYSDEC Spill Number 0913723, and return acknowledgement confirming NYSDEC's approval of this Closure.

If you have any questions regarding this document, please do not hesitate to call our office.

Sincerely,

CA RICH CONSULTANTS, INC.

D. Shapiro

Deborah Shapiro
Project Manager

cc: Ari Goldstein, Via Verde Homes, LLC
Michael Wadman, Via Verde Rental Associates, L.P.
John Gearrity, NYCHPD
Jane O'Connell, NYSDEC
Mandy Yau, NYSDEC
Chris Doroski, NYSDOH
Repository

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Figure 1 – Underground Storage Tank and Endpoint Sample Location Map

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Appendices

Appendix A – Non-Hazardous Waste Disposal Manifests

Appendix B – Tank Affidavits

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1.0 INTRODUCTION

This report summarizes the on-site remedial action and sampling activities performed by CA RICH Consultants, Inc. (CA RICH) during the exhumation and removal of one 3,000-gallon, one 750-gallon, two 275-gallon, and two 550-gallon underground storage tanks (USTs) recently discovered at the property located at 700-730 Brook Avenue, Bronx, New York (Site). As this Site is being redeveloped under the New York State Department of Environmental Conservation's (NYSDEC) Brownfield Cleanup Program (BCP), the specified work was completed in accordance with the NYSDEC approved Remedial Action Work Plan (RAWP) dated July 2009 (Ref. 1).

2.0 SUMMARY OF WORK PERFORMED

2.1 TANK REMOVAL, SOIL EXCAVATION, AND COLLECTION OF ENDPOINT SAMPLES

On March 24, 2010, during Site excavation activities in the northwestern portion of the Site which historically was used as a gasoline station, two 550-gallon steel USTs and one piston with a small tank from a former hydraulic lift were unearthed. As both tanks appeared to contain liquid, a vacuum truck was immediately mobilized to the Site. The vacuum truck removed 910 gallons of a petroleum/water mixture from the tanks, which was transported by Eastern Environmental Solutions, Inc. (Eastern) for disposal at the Clean Waters of Staten Island, New York waste disposal facility. Immediately following the liquid removal, the tanks were exposed, exhumed and placed on polyethylene sheeting for inspection by a CA RICH qualified environmental professional (QEP).

The inspection of the tanks revealed that the two 550-gallon USTs were intact. The tank grave was then inspected by a QEP. Based on visual observations and limited screening of soil, it appeared that some leakage from the tanks and lift had occurred. PID readings ranging from zero ppm to 169 ppm were noted from the limited exposed soils screened within the tank grave. At that time, it was unclear whether more than five-gallons of petroleum product had spilled. Therefore, a call was not made to the NYSDEC spill hotline; however, NYSDEC BCP project manager Mandy Yau was notified of the discovery of the tanks as well as the limited impacted soil.

On March 25, 2010, further investigation and excavation of the petroleum impacted soil within this portion of the Site began. The petroleum contaminated soil was stockpiled separately from other stockpiled soils on the Site that were generated due to redevelopment activities. The excavated

soil was stockpiled on and covered with polyethylene sheeting. During excavation activities, two 275-gallon USTs were encountered underneath the remnants of the former hydraulic lift. Both tanks were in poor condition and contained saturated, petroleum stained soil with a strong petroleum odor. The saturated soil was removed from the tanks and stockpiled on polyethylene sheeting. Once the soil was removed, the tanks were excavated and placed on polyethylene sheeting for further inspection by a QEP. Based on the inspection, it was determined that one of the 275-gallon USTs contained number two fuel oil and the other 275-gallon UST contained waste oil.

The QEP then inspected the soils surrounding and underneath these tanks. Based on visual observations and screening of soil, it appeared that some leakage from these tanks occurred as well. PID readings from this portion of the tank grave ranged from 120 to 170 ppm. Therefore, soil excavation of petroleum impacted soil continued in this area. All excavated materials were screened with a PID.

Excavation continued to the north, east, and west to the extent possible without undermining the sidewalk or retaining wall. Excavation ceased at the northern sidewalk along East 156th Street, at the western sidewalk along Brook Avenue, and at the eastern retaining wall of the former gasoline station to a depth of approximately eight feet below sidewalk grade. As excavation could not continue further in these areas, excavation endpoint samples were collected at the property boundary at these locations. In addition, excavation in the area of the former hydraulic lift and two 275-gallon tanks continued down to the water table. As the excavation ceased at the water table, a “bottom” endpoint sample was collected, right above the water table. Based on the amount of soil that appeared to be impacted with petroleum, a requisite telephone call to the NYSDEC’s Spill Hotline was made, and Spill Number 0913723 was assigned to the Site.

Excavation of petroleum impacted soils continued on March 26, 2010. Once non-petroleum impacted soil was reached, the remaining excavation endpoint samples were collected. All endpoint samples were submitted to ELAP and CLP certified Accutest Laboratories of Dayton, New Jersey. Endpoint samples from around the two 550-gallon USTs were analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270, and Lead. Endpoint samples from around the two 275-gallon USTs and the former hydraulic lift were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, and the eight RCRA Metals. In addition, a composite sample of the stockpiled petroleum contaminated soil was collected for the purpose of procuring approval from an appropriate permitted waste disposal facility.

As the piston with a small tank from a former hydraulic lift did not contain any petroleum product remnants, it did not need to be cleaned. On March 29, 2010, the piston and small tank were transported off-site for disposal as scrap metal.

On March 31, 2010, AARCO Environmental Services, Inc. (AARCO), a licensed tank contractor, mobilized to the Site to cut, clean, and remove the four recently discovered tanks under CA RICH supervision. First, the two 550-gallon USTs were cut open and the remaining sludge was inspected. Based on the sludge, it was determined that one of the 550-gallon USTs contained gasoline and the other 550-gallon UST contained number two fuel oil.

AARCO then proceeded to cut and clean the two 275-gallon USTs. Based on the sludge, it was determined that one of the 275-gallon USTs contained waste oil and the other 275-gallon UST contained number two fuel oil. The excavator then removed the sludge from the tanks and stockpiled it on polyethylene sheeting along with the petroleum contaminated soil. Once the tanks were cleaned, they were placed into a dump truck and a trailer and removed from the Site.

On April 9, 2010, during site excavation/redevelopment activities, a fifth UST was encountered. This tank was discovered to the south of the former gasoline portion of the Site. Once the tank was encountered, excavation activities ceased. As only a small portion of the top of the tank was uncovered that day, the exact size and contents were unknown. However, the presence of liquid within the tank was apparent. Therefore, a vacuum truck was mobilized to the Site on April 12, 2010 and 1,860-gallons of number six fuel oil were removed from the tank. The removed liquid was transported by Eastern for disposal at the Clean Waters of Staten Island, New York waste disposal facility. Immediately following the liquid removal, the tank was exposed, exhumed and placed on polyethylene sheeting for inspection by a CA RICH QEP. Based upon the inspection, this tank appeared intact and no holes or cracks were apparent.

On April 13, 2010, the 3,000-gallon UST was cut, cleaned, and removed by Eastern, a licensed tank contractor, under CA RICH supervision. In addition, the remaining tank sludge was placed into four 55-gallon drums, which were also removed from the Site that day and transported under non-hazardous waste manifest control to the Clean Waters of Staten Island, New York waste disposal facility.

Once the 3,000-gallon tank was removed, the tank grave was inspected by a CA RICH QEP. Based on visual observations and field screening of the sides and bottom of the tank grave, it did not appear that the tank had leaked. Therefore, the five requisite endpoint samples were collected. All endpoint samples were submitted to ELAP and CLP-certified Accutest Laboratories

of Dayton, New Jersey. Endpoint samples from around the 3,000-gallon UST were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, and Lead.

On April 15, 2010, as part of redevelopment activities, the retaining wall from the former gasoline station was demolished. Upon destruction of the wall, a sixth UST with a capacity of 750-gallons was encountered. As the tank appeared to contain a rainwater/petroleum mixture, a vacuum truck was mobilized to the Site.

On April 16, 2010, 307-gallons of a petroleum/water mixture were removed from the tank. The removed liquid was transported by Eastern for disposal at the Clean Waters of Staten Island, New York waste disposal facility. Immediately following the liquid removal, the tank was exposed, exhumed and placed on polyethylene sheeting for inspection by a CA RICH QEP. Based upon the inspection, this tank appeared intact and no holes or cracks were apparent. The tank was then cut, cleaned, and removed by Eastern. Based on an inspection of the sludge within the tank, it was determined that the tank formerly contained number two fuel oil. The remaining tank sludge was placed into one 55-gallon drum, which was removed from the Site the same day and transported under non-hazardous waste manifest control to the Clean Waters of Staten Island, New York waste disposal facility. The tank grave was then inspected by a CA RICH and it was determined that the tank did not leak. Therefore, the five requisite endpoint samples were collected. All endpoint samples were submitted to ELAP and CLP certified Accutest Laboratories of Dayton, New Jersey. Endpoint samples from around the 750-gallon UST were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, and Lead.

The USTs and all endpoint sample locations are illustrated on Figure 1. Copies of all waste disposal manifests and receipts are included in Appendix A. The requisite New York City Fire Department (NYCFD) Tank Removal Affidavits certifying the proper removal of the tanks are included as Appendix B. Selected Photographs from the tank removal and soil excavation are included in Appendix C.

2.2 Soil Disposal

On April 6, 7, and 15, 2010, 549.06 tons of petroleum contaminated soil from around the two 550-gallon, two 275-gallon USTs, and piston and small tank from the former hydraulic lift were loaded into dump trucks and transported under non-hazardous waste manifest control to the permitted Pure Soil Technologies - Walter Earle Corp. soil disposal facility in Jackson, New Jersey. Copies of all waste disposal manifests are included in Appendix A.

2.3 SOIL SAMPLE ANALYSIS

As previously stated, excavation endpoint samples were collected from each of the tank graves and submitted to ELAP and CLP-certified Accutest Laboratories of Dayton, New Jersey. Endpoint samples from around the 550-gallon USTs, 3,000-gallon UST, and 750-gallon UST were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, and Lead. Endpoint samples from around the 275-gallon USTs and the former hydraulic lift were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, and the eight RCRA Metals. As this Site is being remediated under the NYSDEC BCP to Track 4 standards, in accordance with the RAWP (Ref. 1), the sample laboratory analytical results were compared to the Part 375 Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs), Track 2 Restricted Residential Use SCOs, and Track 4 Site Specific Soil Action Levels (SSSALs) (Ref. 2).

The endpoint sample laboratory results indicated the following:

VOCs – No VOCs were detected above Track 1 or 2 SCOs or Track 4 SSSALs

SVOCs – SVOCs were detected above Track 1 or 2 SCOs in EP-20, EP-21, and EP-23. No SVOCs were detected above Track 4 SSSALs.

Metals – Mercury was detected above Track 1 and 2 SCOs in EP-10 at 8 feet. Lead was detected above Track 1 and 2 SCOs and Track 4 SSSALs in EP-10 at 8 feet.

The UST excavation endpoint sample analytical results are provided on Tables 1 through 3. Copies of the original chemical analytical reports are provided in Appendix D.

2.4 UST REGULATORY NOTIFICATION

A Petroleum Bulk Storage (PBS) Application was submitted to the NYSDEC notifying them of the existence of the six newly-discovered unregistered USTs. The registration form indicated that these are initial listings with a substantial tank modification (Closed - Removed).

3.0 CONCLUSIONS and RECOMMENDATIONS

The formerly unknown 550-gallon number two fuel oil UST, 550-gallon gasoline UST, 275-gallon number two fuel oil UST, 275-gallon waste oil UST, 3,000-gallon number six fuel oil UST, and 750-gallon number two fuel oil UST associated with the Property at 700-730 Brook Avenue, in the Bronx, New York have been properly removed and disposed of off-site. In addition, the required

initial NYSDEC registration and substantial tank modification (Closed - Removed) was submitted to the NYSDEC.

As this Site is being remediated under NYSDEC's BCP to Track 4 standards, in accordance with the RAWP, the sample laboratory analytical results were compared to the Part 375 Track 1 and Track 2 SCOs in addition to the Track 4 SSSALs. All compounds analyzed for were below the Track 4 SSSALs except for Lead in EP-10 at 8 feet. It is noted that further excavation was not possible in the area from where this sample was collected without undermining the sidewalk. As excavation of this area was conducted as far north as possible on-site, and as this Site is being remediated by a BCP Volunteer who is not responsible for off-site remediation, no further excavation is required for the soils surrounding endpoint sample EP-10 at 8 feet. In addition, the endpoint results were submitted to Mandy Yau, the NYSDEC BCP project manager for this Site. NYSDEC reviewed the results and agreed with our determination based upon the fact that the area where the endpoint sample was collected from will be beneath a composite cover system and demarcation layer, and that further excavation is not possible because it would undermine the sidewalk above. The only requirement was that the remedial engineer document the precise location and concentration in the Final Engineering Report.

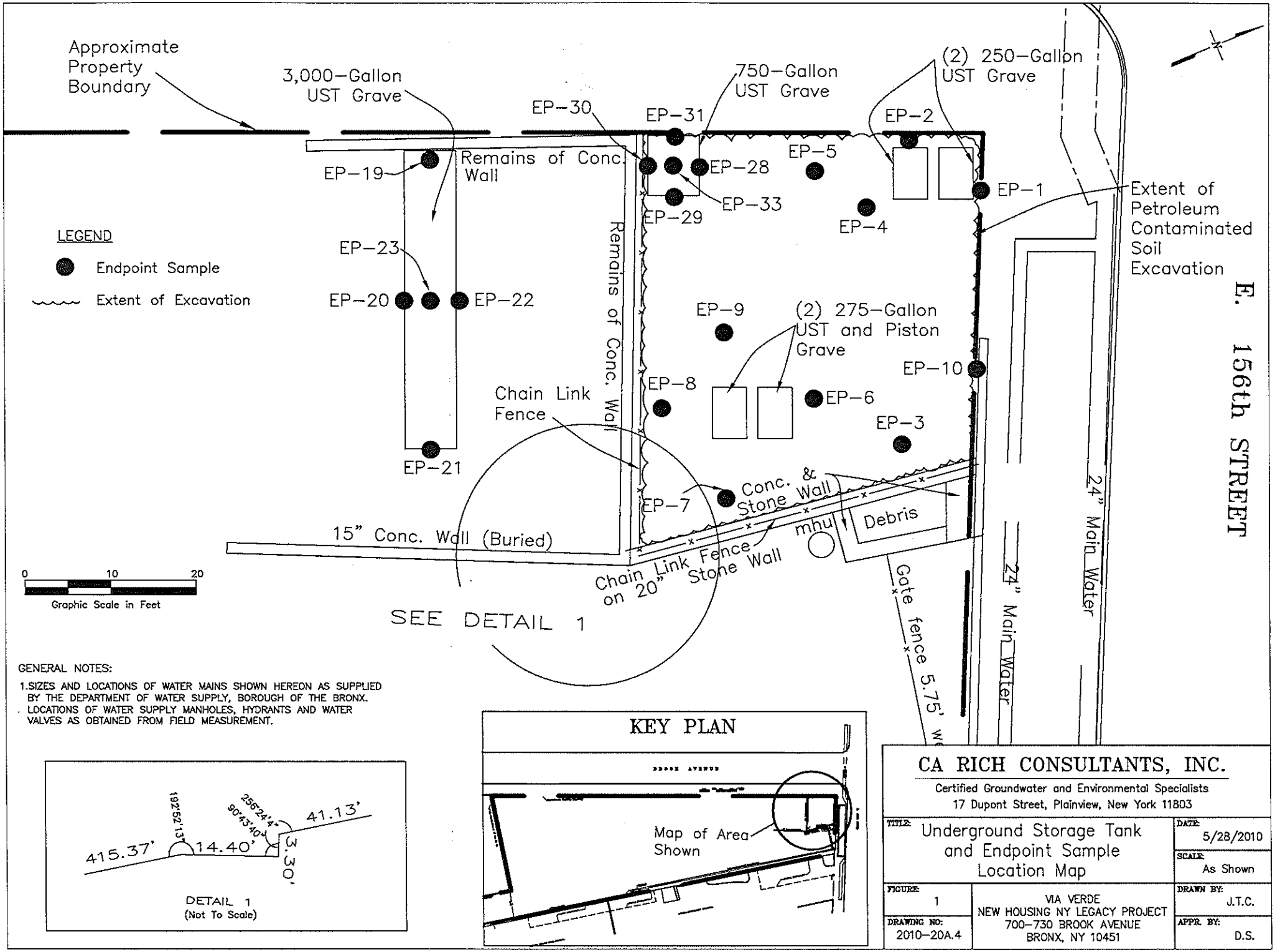
Based upon the analytical results and NYSDEC's further determination, we request the formal Closure of NYSDEC Spill Number 0913723, and return acknowledgement confirming the NYSDEC's approval of this Closure.

Selected References

1. CA RICH. Remedial Action Work Plan. New York: Author, April 2009.

2. NYSDEC. 6 NYCRR Part 375 Environmental Remediation Programs, Environmental Remediation Programs, Subparts 375-1 to 375- 4 & 375-6. New York: Author, December 2006.

FIGURE



GENERAL NOTES:

1. SIZES AND LOCATIONS OF WATER MAINS SHOWN HEREON AS SUPPLIED BY THE DEPARTMENT OF WATER SUPPLY, BOROUGH OF THE BRONX.
2. LOCATIONS OF WATER SUPPLY MANHOLES, HYDRANTS AND WATER VALVES AS OBTAINED FROM FIELD MEASUREMENT.

DETAIL 1
(Not To Scale)

KEY PLAN

CA RICH CONSULTANTS, INC.
Certified Groundwater and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: Underground Storage Tank and Endpoint Sample Location Map	DATE: 5/28/2010
	SCALE: As Shown
FIGURE: 1	DRAWN BY: J.T.C.
DRAWING NO: 2010–20A.4	APPR. BY: D.S.

VIA VERDE
NEW HOUSING NY LEGACY PROJECT
700–730 BROOK AVENUE
BRONX, NY 10451

TABLES

Table 1

Analytical Results for Volatile Organic Compounds In Tank Excavation Endpoint Samples

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	EP-1 @11'	EP-2 @11'	EP-XX	EP-3 @8'	EP-4 @8'	EP-5 @8'	EP-6 @8'	EP-7 @8'	EP-8 @8.5'	EP-9 @20'	EP-10 @8'	EP-19	EP-20	EP-21	EP-22	EP-23	EP-29	EP-30	EP-31	EP-32	EP-33	Trip Blank	Trip Blank	Trip Blank	Field Blank	Field Blank	Field Blank	Field Blank	Part 375 - Track 1 Soil Cleanup Objectives*	Part 375 - Track 2 Soil Cleanup Objectives*	Track 4 Site Specific Soil Action Levels**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid			
Depth (feet)	11	11	11	8	8	8	8	8	8.5	20	8	19	19	19	19	19	7	7	7	7	7										
Date Sampled	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/13/2010	4/13/2010	4/13/2010	4/13/2010	4/13/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	3/25/2010	4/13/2010	4/16/2010	3/25/2010	3/26/2010	4/13/2010	4/16/2010			
Volatile Organic Compounds																														
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ug/kg	ug/kg	ug/kg
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	100,000	NVG
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	4,800	NVG
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	NVG	NVG
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	NVG	NVG
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	NVG	NVG
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	2,400	NVG
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.70 J	0.71 J	0.63 J	ND	ND	ND	ND	ND	ND	ND	ND	1,100	100,000	NVG
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	49,000	NVG
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	0.49 J	0.73 J	0.83 J	1.7 J	ND	ND	ND	ND	ND	ND	ND	NVG	100,000	NVG
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	100,000	NVG
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	49,000	NVG
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	13,000	NVG
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	26,000	NVG
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	3,100	NVG
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	100,000	NVG
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	NVG	NVG
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	NVG	NVG
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Ethyl Benzene	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	41,000	NVG
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	100,000	NVG
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	100,000	NVG
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	NVG	NVG
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,900	100,000	NVG
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	19,000	NVG
Toluene	ND	ND	ND	ND	ND	ND	ND	1.7	0.65 J	0.66 J	ND	ND	ND	ND	ND	ND	ND	0.56 J	0.72 J	0.48 J	ND	ND	ND	ND	ND	ND	ND	ND	700	100,000	NVG
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	100,000	NVG
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	21,000	NVG
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,2,4-Trimethylbenzene	ND	ND	ND	0.75 J	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND	3,600	52,000	NVG
1,3,5-Trimethylbenzene	ND	ND	ND	0.50 J	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,400	52,000	NVG
m,p-Xylene	ND	ND	ND	1.3 J	ND	ND	ND	1.7 J	1.2 J	0.69 J	ND	ND	ND	ND	ND	ND	ND	1.1 J	1.2 J	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	260	NVG	NVG
o-Xylene	ND	ND	ND	0.54 J	ND	ND	ND	0.60 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	NVG	NVG
Xylene (total)	ND	ND	ND	1.8 J	ND	ND	ND	2.3 J	1.7 J	1.2 J	ND	ND	ND	ND	ND	ND	ND	1.4 J	1.5 J	1.4 J	ND	ND	ND	ND	ND	ND	ND	ND	260	100,000	NVG
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200	900	NVG
Total VOC	**0**	**0**	**0**	**4.89**	**0**	**0**	**1.59**	**6.85**	**3.55**	**3.03**	**0.72**	**0**	**0**	**0**	**0**	**0**	**2.3**	**4.25**	**4.86**	**5.08**	**1.7**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**NVG**	**NVG**	**10,000**

Notes:

ug/Kg - micrograms per kilogram or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

EP-XX is a duplicate of EP-1

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives*

***6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; Table 375-6.8(b): Residential Restricted Use Soil Cleanup Objectives*

****Track 4 Site Specific Soil Action Levels, Remedial Action Work Plan, June 2009.*

Table 2

Analytical Results for Semi-Volatile Organic Compounds In Tank Excavation Endpoint Samples

Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue
Bronx, New York
BCP # C203043

Sample ID	EP-1 @11'	EP-2 @11'	EP-XX	EP-3 @8'	EP-4 @8'	EP-5 @8'	EP-6 @8'	EP-7 @8'	EP-8 @8.5'	EP-9 @20'	EP-10 @8'	EP-19	EP-20	EP-21	EP-22	EP-23	EP-29	EP-30	EP-31	EP-32	EP-33	Field Blank	Field Blank	Field Blank	Part 375 - Track 1	Part 375 - Track 2	Track 4 Site Specific Soil Action Levels**
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Liquid	Liquid	Liquid	Soil Cleanup Objectives*	Soil Cleanup Objectives*	
Depth (feet)	11	11	11	8	8	8	8	8	8.5	20	8	19	19	19	19	19	7	7	7	7	7						
Date Sampled	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/13/2010	4/13/2010	4/13/2010	4/13/2010	4/13/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	3/25/2010	3/26/2010	4/13/2010			
Semi-Volatile Organic Compounds																											
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/L	µg/L	µg/L	µg/kg	µg/kg	µg/kg
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3+4-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	NVG	NVG
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	NVG	NVG
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Acenaphthene	ND	ND	ND	ND	ND	14.8 J	ND	30.7	ND	ND	ND	244	880	162	131	1,360	110	ND	ND	ND	ND	ND	ND	ND	20,000	100,000	NVG
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	55.7	16.0 J	ND	18.5 J	20.7 J	80.1	96.7	34.7	72.1	64.7	ND	ND	ND	ND	ND	ND	ND	100,000	100,000	NVG
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Anthracene	ND	ND	ND	ND	ND	29.6 J	ND	104	ND	ND	23.4 J	468	1,690	380	266	2,250	294	ND	ND	ND	14.6 J	ND	ND	ND	100,000	100,000	NVG
Atrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Benzo(a)anthracene	95.2	ND	71.6	ND	40.2	117	90.6	354	123	20.7 J	137	683	**3,450 a**	982	443	**4,050 a**	711	22.0 J	ND	ND	49.7	ND	ND	ND	1,000	1,000	NVG
Benzo(a)pyrene	116	ND	83.0	ND	42.0	119	104	390	165	24.0	181	606	**3,280 a**	1,000	421	**3,470 a**	650	21.1 J	ND	ND	53.8	ND	ND	ND	1,000	1,000	NVG
Benzo(b)fluoranthene	109	ND	83.6	ND	53.4	123	114	410	175	19.6 J	189	484	**2,650 a**	**1,050**	386	**3,070**	787	21.0 J	ND	ND	63.5	ND	ND	ND	1,000	1,000	NVG
Benzo(g,h,i)perylene	94.8	ND	71.5	ND	34.9 J	83.5	85.5	319	145	28.7 J	132	320	1,780	579	233	1,750	353	24.6 J	ND	ND	65.7	ND	ND	ND	100,000	100,000	NVG
Benzo(k)fluoranthene	71.3	ND	54.6	ND	25.3 J	62.3	46.7	178	71.0	22.1 J	85.2	506	**3,130 a**	585	310	**2,610**	255	17.5 J	ND	ND	28.1 J	ND	ND	ND	800	3,900	NVG
4-Bromophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
1,1' -Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.1 J	41.7 J	ND	ND	76.5	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Carbazole	ND	ND	ND	ND	ND	ND	ND	36.7 J	ND	ND	ND	200	ND	127	101	977	100	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Chrysene	112	ND	93.5	ND	51.3	145	102	337	124	18.7 J	162	639	**2,870**	**1,010**	420	**3,790 a**	750	21.2 J	ND	ND	62.3	ND	ND	ND	1,000	3,900	NVG
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Chlorophenyl-phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	24.4 J	ND	64.7	29.6 J	ND	42.2	120	**751**	196	93.4	**754**	95.7	ND	ND	ND	ND	ND	ND	ND	330	330	NVG
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	141	391	74.8	73.0	672	53.6 J	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	113	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
bis(2-Ethylhexyl)phthalate	ND	ND	126	ND	ND	ND	ND	3,340	ND	ND	ND	50.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Fluoranthene	165	ND	144	ND	69.7	208	156	583	117	17.2 J	241	1,650	7,420 a	2,010	950	8,820 a	1,940	48.4	ND	ND	90.6	ND	ND	ND	100,000	100,000	NVG
Fluorene	ND	ND	ND	ND	ND	ND	ND	24.3 J	ND	ND	ND	206	710	139	119	1,040	87.7	ND	ND	ND	ND	ND	ND	ND	30,000	100,000	NVG
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Indeno(1,2,3-cd)pyrene	80.5	ND	57.7	ND	33.1 J	68.6	68.3	199	109	21.8 J	110	322	**1,820**	**559**	230	**1,860**	334	18.1 J	ND	ND	45.2	ND	ND	ND	500	500	NVG
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	56.5 J	ND	ND	20.7 J	63.4	116	28.2 J	31.4 J	219	33.9 J	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Naphthalene	ND	ND	ND	ND	ND	ND	14.8 J	33.0 J	ND	ND	ND	114	290	50.6	59.1	613	47.5	ND	ND	ND	16.5 J	ND	ND	ND	12,000	100,000	NVG
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG	NVG
Phenanthrene	79.6	ND	83.3	ND	32.1 J	166	81.9	307	ND	ND	109	1,870	6,260 a	1,290	978	8,590 a	1,090	30.6 J	ND	ND	50.5	ND	ND	ND	100,000	100,000	NVG
Pyrene	224	ND	178	ND	93.1	252	191	404	154	24.2 J	236	1,640	6,660 a	1,870	952	8,640 a	1,330	46.9	ND	ND	79.9	ND	ND	ND	100,000	100,000	NVG
Total SVOC	**1,147.40**	**0.00**	**1,046.80**	**0.00**	**475.1**	**1,413.20**	**1,054.8**	**7,226.6**	**1,228.6**	**197**	**1,668.5**	**10,369.8**	**44,920.8**	**12,189.3**	**6,231.6**	**54,796.6**	**9,087.1**	**271.4**	**0**	**0**	**620.4**	**0**	**0**	**0**	**NA**	**NA**	**100,000**

Notes:
ug/Kg - micrograms per kilogram or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
EP-XX is a duplicate of EP-1

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives*
***6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; Table 375-6.8(b): Residential Restricted Use Soil Cleanup Objectives*
****Track 4 Site Specific Soil Action Levels, Remedial Action Work Plan, June 2009*

Bold indicates exceedance of Track 1 Soil Cleanup Objectives
Bold and Boxed indicates exceedance of Track 1 and 2 Soil Cleanup Objectives
Bold, boxed, and italicized indicates exceedance of Track 4 Site Specific Soil Action Levels

TABLE 3

Analytical Results for Metals In Tank Excavation Endpoint Samples

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue

Bronx, New York

BCP # C203043

Sample ID	EP-1 @11'	EP-2 @11'	EP-XX	EP-3 @8'	EP-4 @8'	EP-5 @8'	EP-6 @8'	EP-7 @8'	EP-8 @8.5'	EP-9 @20'	EP-10 @8'	EP-19	EP-20	EP-21	EP-22	EP-23	EP-29	EP-30	EP-31	EP-32	EP-33	Field Blank	Field Blank	Field Blank	Field Blank	Part 375 - Track 1 Soil Cleanup Objectives*	Part 375 - Track 2 Soil Cleanup Objectives**	Track 4 Site Specific Soil Action Levels***
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Liquid	Liquid	Liquid	Liquid			
Depth (feet)	11	11	11	8	8	8	8	8	8.5	20	8	19	19	19	19	19	7	7	7	7	7							
Date Sampled	3/25/2010	3/25/2010	3/25/2010	3/25/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	3/26/2010	4/13/2010	4/13/2010	4/13/2010	4/13/2010	4/13/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	4/16/2010	3/25/2010	3/26/2010	4/13/2010	4/16/2010			
Metals																												
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L	ug/L	ug/L	mg/kg	mg/kg	mg/kg
Arsenic	NA	NA	NA	NA	NA	NA	<2.5	4.5	2.5	2.6	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	16	NVG
Barium	NA	NA	NA	NA	NA	NA	31.2	81.8	42.0	41.0	131	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	350	400	NVG
Cadmium	NA	NA	NA	NA	NA	NA	<0.61	1.3	<0.58	<0.56	<0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	4.3	NVG
Chromium (Total)	NA	NA	NA	NA	NA	NA	8.9	16.9	15.4	13.2	31.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NVG	NVG	NVG
Lead	36.6	34.3	66.0	22.5	22.6	108	41.4	188	52.4	24.6	***906***	29.6	**106**	35.8	17.9	**149**	**79.1**	44.5	57.9	15.6	62.8	<3.0	<3.0	<3.0	<3.0	63	400	590
Mercury	NA	NA	NA	NA	NA	NA	0.087	0.37	0.037	0.036	**21.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.18	0.73	NVG
Selenium	NA	NA	NA	NA	NA	NA	<2.5	<2.4	<2.3	<2.3	<2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.9	4	NVG
Silver	NA	NA	NA	NA	NA	NA	<0.61	<0.59	<0.58	<0.56	<0.61	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	8.3	NVG

Notes:

mg/kg - milligrams per kilogram or parts per million

NVG - No Value Given

NA - Not Analyzed

EP-XX is a duplicate of EP-1

**6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives*

***6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; Table 375-6.8(b): Residential Restricted Use Soil Cleanup Objectives*

****Track 4 Site Specific Soil Action Levels, Remedial Action Work Plan, June 2009.*

Bold indicates exceedance of Track 1 Soil Cleanup Objectives

Bold and boxed indicates exceedance of Track 2 Soil Cleanup Objectives

Boxed, bold, and italicized indicates exceedance of Track 4 Site-Specific Soil Action Levels

APPENDIX A

Non-Hazardous Waste Disposal Manifests

Please print or type.
(Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
		1	631-[illegible]	

GENERATOR

5. Generator's Name and Mailing Address

[illegible] Brook Ln. Bronx, New York

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: [illegible] Environmental Solutions — U.S. EPA ID Number: NJ698

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: [illegible] State of New York Ellis Island — U.S. EPA ID Number:

[illegible] Avenue [illegible] 718-921-4600 Newark

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.	
1.	[illegible] Hazardous Waste Solid, N.O.S.	1	TT	910	9	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

[illegible] Ellis Island

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [signature] — Month / Day / Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [signature] — Month / Day / Year

Transporter 2 Printed/Typed Name — Signature — Month / Day / Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

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: [illegible] — Signature: [signature] — Month / Day / Year

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 631-727-2700	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address: 700 Brook Ave Bronx, New York
Generator's Site Address (if different than mailing address)
Generator's Phone:

6. Transporter 1 Company Name: Eastern Environmental Solutions — U.S. EPA ID Number: NJ698

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Water of New York Staten Island 3249 Richmond Terrace New York
Facility's Phone: 718-981-4600 — U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non Haz, Non RCRA Regulated Liquids	1	TT	1,860	gals
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information: Soil Impacted Water

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: STEVE WINTER (agent for) — Signature: [signature] — Month 4 Day 12 Year 10

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: STEVE WINTER — Signature: [signature] — Month 4 Day 12 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
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] — Signature: [signature] — Month 04 Day 14 Year 10

DESIGNATED FACILITY TO GENERATOR

GC Labels • Printed in the USA 1-800-997-6966
Reorder Part# MANIFEST GCNHW 813-897-6906

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	631-727-2700	

5. Generator's Name and Mailing Address: VIA Verde, 700 Brook Ave, Bronx, New York
Generator's Site Address (if different than mailing address)
Generator's Phone:

6. Transporter 1 Company Name: Eastern Environmental Solutions — U.S. EPA ID Number: NA-698

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Earth of New York, 324 Richmond Terrace, STATEN Island New York 718-981-4600 — U.S. EPA ID Number
Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Haz Non RC-RA Regulated Liquids	4	DM	800	lbs	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Tank Bottom Sludge

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: as a gent to generator — Signature — Month 4 Day 13 Year 10

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: Steve WINTER — Signature — Month 4 Day 13 Year 10
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:

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 4 Day 14 Year 10

GENERATOR — TRANSPORTER — INT'L — DESIGNATED FACILITY

GC Labels • Printed in the USA 1-800-997-8966

DESIGNATED FACILITY TO GENERATOR

Reorder Part# MANIFEST-C6NHW 913-897-8966

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone 631-727-2700

4. Waste Tracking Number

5. Generator's Name and Mailing Address: VIA VERDE, 700 Brook Ave, Bronx New York

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: Eastern Environmental Solutions

U.S. EPA ID Number: NY-698

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: Clean Water of New York, 3249 Richmond Terrace, STATEN Island New York

U.S. EPA ID Number

Facility's Phone: 718-981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Haz Non RCRA Regulated liquids	1	TT	307	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information: oily waters

GENERATOR

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: as agent to generator

Signature

Month 4 Day 16 Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVE WINTER

Signature

Month 4 Day 16 Year 10

Transporter 2 Printed/Typed Name

Signature

Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

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 04 Day 26 Year 10

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N/A	1	631-727-2700	

GENERATOR

5. Generator's Name and Mailing Address: Via Verde, 700 Brook Ave, Bronx, NY
Generator's Site Address (if different than mailing address): Via Verde, 700 Brook Ave, Bronx, N.Y.
Generator's Phone:

6. Transporter 1 Company Name: Eastern Environmental Solutions — U.S. EPA ID Number: NJ 698

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cleanmaster of N.Y., 3249 Richmond Terrace, S.I., N.Y. — U.S. EPA ID Number:
Facility's Phone: 718-981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Haz Non RCRA regulated solids	001	DM	0500	pds	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
(9-1) Dirt from tank bottom.
pads & tyvek
Emergency Response #631-727-2700

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Chris Von Braunsberg (as agent for) — Signature: Chris Von Braunsberg — Month 04 Day 16 Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chris Von Braunsberg — Signature: Chris Von Braunsberg — Month 04 Day 16 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
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 05 Day 03 Year 10

PEI DISPOSAL GROUP, INC.

Log Number 24044

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE

Address 786-756 BROOK AVENUE

BRONX, NY

Shipping Location SAME

Address

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

as agent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Cuenca Coronel

Address 275 North St

Newark NJ

Driver Name (Print) Mario Gomes

Vehicle License No./State AL616K

Truck Number #18

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 4/6/2010 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 4/6/2010 Delivery Date

DESTINATION

Site Name Pure Soil Technologies

Phone No. 732-657-0554

Address County Route 547
Jackson, NJ

State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Carrea — 4-6-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24045

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE — Shipping Location SAME

Address 788-738 BROOK AVENUE — Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
100-1003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

as agent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Bronco Carrier — Driver Name (Print) Adrian Asad

Address 247 N 21st Ave Wau — Vehicle License No./State AL 4529

Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 4/6-/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 4/6-/10 Delivery Date

DESTINATION

Site Name Pure Soil Technologies — Phone No. 732 607 0854

Address County Route 547, Jackson, NJ — State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — 4-6-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24042

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 700-738 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

as agent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Velarde Transportation Driver Name (Print) Ruben Velarde

Address 2820 Regon ST Vehicle License No./State AK917G

Truck Number Velarde 07

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 4/6/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 4/6/10 Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-967-8554

Address County Route 547, Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — 4-6-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24043

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 780-738 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

as agent to generator — 4/6/10

Generator Authorized Agent Name / Signature / Shipment Date

TRANSPORTER

Transporter Name GERARDOS TRUCKING. Driver Name (Print) Aldo Silvas

Address Vehicle License No./State AM601M NJ

Truck Number 5

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — Shipment Date 4/6/10

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Delivery Date 4/6/10

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-867-8551

Address County Route 547, Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — Signature — 4-6-10

Name of Authorized Agent / Signature / Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24041

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE — Shipping Location SAME

Address 700-730 BROOK AVENUE — Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	** Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

As agent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name J. Lopez — Driver Name (Print) Pascual

Address — Vehicle License No./State AH742 C

Truck Number #1

I hereby certify that the above named material was picked up at the generator site listed above.

04/06/10

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

04/06/10

Driver Signature — Delivery Date

DESTINATION

Site Name Pure Soil Technologies — Phone No. 732-657-8551

Address County Route 547, Jackson, NJ — State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Barry Correa — 4-6-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24046

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location [illegible]

Address 780-738 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	
1004003	Non-Hazardous Petroleum Contaminated Soil	GROSS TARE NET TONNAGE

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 applicable regulations.

as agent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Velarde Transportation Driver Name (Print) Ruben Velarde

Address 2870 Regon ST Vehicle License No./State AK917G

Truck Number Velarde 07

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 4/6/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 4/6/10 Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-657-8554

Address County Route 547, Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Corre — 4-6-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24047

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 780-730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

As a gent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name G.L.-T. Driver Name (Print) Aldo Sivis

Address 13 LEXINGTON AVE Vehicle License No./State AM60A NY

NEWARK N.J. Truck Number 5

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 4/6/10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 4/6/10. Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-657-8851

Address County Route 547, Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — Signature — 4-6-10.

Name of Authorized Agent — Receipt Date

GENERATOR

92660

PEL DISPOSAL GROUP, INC.

Log Number 24049

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE — Shipping Location SAME

Address 788-738 BROOK AVENUE — Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

as agent to generator — 4/6/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name J. Lopez — Driver Name (Print) Joscuel

Address — Vehicle License No./State AH742C

Truck Number #1

I hereby certify that the above named material was picked up at the generator site listed above.

04/06/10

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

04/06/10

Driver Signature — Delivery Date

DESTINATION

Site Name Pure Soil Technologies — Phone No. 732 657 8551

Address County Route 547, Jackson, NJ — State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — 4-6-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24048

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 765-730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	
1004003	Non-Hazardous Petroleum Contaminated Soil	GROSS TARE NET TONNAGE

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 applicable regulations.

as agent to generator 4/6/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Cuoco Colonel Driver Name (Print) Mario Gomez

Address 275 North 12 ST Vehicle License No./State AL 616K

Newark. NJ Truck Number #18

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature Shipment Date 4/6/2010

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Delivery Date 4/6/2010

DESTINATION

Site Name Pure Soil Technologies Phone No. 732 657 8551

Address County Route 547, Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Harry Correa Signature 4-6-10

Name of Authorized Agent Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24050

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 760-730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	
1004003	Non-Hazardous Petroleum Contaminated Soil	GROSS TARE NET TONNAGE

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 applicable regulations.

as agent to generator 4/6/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Bronco Bravo Address 247 W. 12th Manchester NJ

Driver Name (Print) Advon Hood

Vehicle License No./State AL. 453A

Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

4/6/10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

4/6/10

Driver Signature Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-657-8551

Address County Route 547 Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa Larry 4-6-10

Name of Authorized Agent Signature Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24071

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 700 730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	
1004003	Non-Hazardous Petroleum Contaminated Soil	GROSS TARE NET TONNAGE

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 applicable regulations.

as agent to generator 4/7/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Bronx Brown Driver Name (Print) Adrian Abad

Address 271 Jer 125 Vehicle License No./State AL 4530

Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

4-7-10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

4-7-10

Driver Signature Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732 657 8551

Address County Route 547 Jackson, NJ State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa 4-7-10

Name of Authorized Agent Signature Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24071

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 700 730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum Contaminated Soil	

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 applicable regulations.

as agent to generator 4/7/10

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name Bruno Borrelli Driver Name (Print) Adrian Abot

Address 275 Jr 125 Vehicle License No./State AL 4530

Newark Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

4-7-10

Driver Signature Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

4-7-10

Driver Signature Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732 657 8551

Address County Route 547 State Permit #

Jackson, NJ

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa 4-7-10

Name of Authorized Agent Signature Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24339

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 700 730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum CONTAMINATED SOIL	

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 applicable regulations.

as agent to generator — 4/15/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Cuenca Coronel Driver Name (Print) Juan Amador

Address 275 W. 12 St Vehicle License No./State # AL963P

Newark, N.J Truck Number #22

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 04-15-10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 04-15-10 Delivery Date

DESTINATION

Site Name Pine Soil Technologies Phone No. 732-657-8551

Address COUNTY RTE 547 JACKSON NJ 08527 State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Harry Correa — Signature — 4-15-10

Name of Authorized Agent — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24840

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 780-790 BROOK AVENUE Address

BRONX, NY

Description of Material

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004003	Non-Hazardous Petroleum CONTAMINATED SOIL	

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 applicable regulations.

gs agent to generator — Signature — 4/15/10
Generator Authorized Agent Name — Shipment Date

TRANSPORTER

Transporter Name Bueno Baronal Driver Name (Print) Adrian Abad

Address 275 N. 12th Vehicle License No./State AC-4130

Newark NJ Truck Number #23

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 4-15-10 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 4/15/10 Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-657-8551

Address COUNTY RTE 547 JACKSON NJ 08527 State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — Signature — 4-15-10
Name of Authorized Agent — Receipt Date

GENERATOR

PEL DISPOSAL GROUP, INC.

Log Number 24841

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 700-730 BRONX AVENUE Address

BRONX, NY

Approval Number 1004003

Description of Material

Non-Hazardous Petroleum CONTAMINATED SOIL

GROSS

TARE

NET

TONNAGE

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 applicable regulations.

as agent to operator — 4/15/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Cuauca General T K G. Driver Name (Print) Manuel Barbosa

Address 275 North 12 St Newark NJ.

Vehicle License No./State NJ AL616K

Truck Number # 18.

I hereby certify that the above named material was picked up at the generator site listed above.

04/15/10

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

04/15/10

Driver Signature — Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-657-8551

Address COUNTY RTE 547 JACKSON NJ 08527 State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Larry Correa — 4-15-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24843

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE — Shipping Location SAME

Address 708 730 BROOK AVENUE — Address

BRONX, NY

Approval Number	Description of Material	
10004003	Non-Hazardous Petroleum CONTAMINATED SOIL	GROSS TARE NET TONNAGE

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 applicable regulations.

as agent to generator — 4/15/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Cuenca Catonel — Driver Name (Print) Jugo Amador

Address 275 W. 125 T — Vehicle License No./State #AL963P

Newark, N.J. — Truck Number #22

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 09-15-10 — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 09-15-10 — Delivery Date

DESTINATION

Site Name Pure Soil Technologies — Phone No. 732-657-8881

Address COUNTY RTE 547 JACKSON NJ 08527 — State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

4/16/10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

PEI DISPOSAL GROUP, INC.

Log Number 24842

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name VIA VERDE Shipping Location SAME

Address 708-730 BROOK AVENUE Address

BRONX, NY

Approval Number	Description of Material	GROSS / TARE / NET / TONNAGE
1004083	Non-Hazardous Petroleum CONTAMINATED SOIL	

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 applicable regulations.

as agent to Generator — 4/15/10

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name Bueno Bound Driver Name (Print) Ashrun Abdul

Address 27 J. P. 25 Vehicle License No./State AL 453A

Newark NJ Truck Number # 23

I hereby certify that the above named material was picked up at the generator site listed above.

4-15-10

Driver Signature — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

4-15-10

Driver Signature — Delivery Date

DESTINATION

Site Name Pure Soil Technologies Phone No. 732-657-8551

Address COUNTY RTE 547 JACKSON NJ 08527 State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Harry Correa — 4-15-10

Name of Authorized Agent — Signature — Receipt Date

GENERATOR

SAL'S METAL CORP.

Sal's Metal Corp .
900 Edge water rd
Bronx New York 10470
Tel : 718 328-4921
Fax : 347 862-2761

March 29 ,2010

To whom it may concern ,

RNC industries sold Sal's Metal Corp . A load of rebar and also mixed Metals . The load contained one hydraulic piston .

APPENDIX B

Tank Affidavits

MERCURY TANK & PUMP, INC.
233 NEVINS STREET
BROOKLYN, N.Y. 11217
(718) 624-7490

05, April 2010

New York City Fire Dept.
Bureau of Fire Prevention
Bulk Safety Unit
9 Metrotech
Brooklyn, N.Y. 11201

AFFIDAVIT

Re: 700 Brook Avenue Bronx; removal of one 550 gallon underground gasoline tank and one underground 275 gallon underground waste oil tank.

In accordance with Title 3 RCNY @ 21-02, I have supervised the permanent decommissioning of one 550 gallon underground gasoline storage and one underground 275 gallon underground waste oil tank tank at 700 Brook Avenue Bronx.

- 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 lines
- The fill ports were removed
- The tanks were removed from the ground and disposed of off site
- This work was performed on 31, March 2010

Sincerely,

Mark Salamack
New York City Underground Tank Installer
Certificate of License# 8015175 (expires 16, June 2012)

LASSALLE BEST JR.
Notary Public, State of New York
No. 24-0279100
Qualified in Queens County
Commission Expires March 30, 2012

Sworn before me this 5 day of April 2010

Notary Public

MERCURY TANK & PUMP, INC.
233 NEVINS STREET
BROOKLYN, N.Y. 11217
(718) 624-7490

05, April 2010

New York City Fire Dept.
Bureau of Fire Prevention
9 Metrotech
Brooklyn, N.Y. 11201

AFFIDAVIT

Re: 700 Brook Avenue Bronx; removal of one underground 275 gallon and one 550 gallon underground #2 fuel oil tanks.

In accordance with Title 3 RCNY @ 21-02, I have supervised the permanent removal of one underground 275 gallon and one 550 gallon underground #2 fuel oil tanks at 700 Brook Avenue Bronx.

- The contents of the tanks was completely removed
- The tanks were thoroughly cleaned and rendered free of combustible vapors
- All pipes were removed
- The fill ports were removed
- The tanks were removed from the ground and legally disposed of
- This work was performed on 31, March 2010

Sincerely,

Mark Salamack
New York City Underground Tank Installer
Certificate of License# 80151715 (expires 16, June 2012)

LASSALLE BEST JR.
Notary Public, State of New York
No 24-0279100
Qualified in Queens County
Commission Expires March 30, 2013

Sworn before me this 1st day of April 2010

Notary Public

Eastern Environmental Solutions, Inc.

258 Line Road
Manorville, NY 11949
Office: (631) 727-2700
Fax: (631) 727-2777

May 5, 2010

Attn: Mike Reardon
City of New York Fire Department
Bureau of Fire Prevention
9 Metrotech Center
New York, NY 11201-3857

Re: Affidavit For: 700 Brook Avenue
Bronx, NY

Dear Mr. Reardon:

This is a letter of affidavit regarding the removal of (1) 750 gallon underground Oil Tank and (1) 3,000 gallon Fuel Oil Tank at the above referenced location. The tanks had all of their contents removed and transported to a permitted facility.

The tanks were purged of all volatile vapors and cut open with an air nibbler. Following OSHA Confined Space Protocol Eastern Environmental Solutions project team cleaned tanks interior. Tanks and piping were removed and transported to a permitted scrap metal facility. All work was completed on April 12, 2010.

All associated piping with tanks were removed in accordance with (c) or (d) Title 3 RCNY Chapter 21-02 guidelines.

Please find the following enclosed additional information:

(1) A sketch of site showing location of tanks.

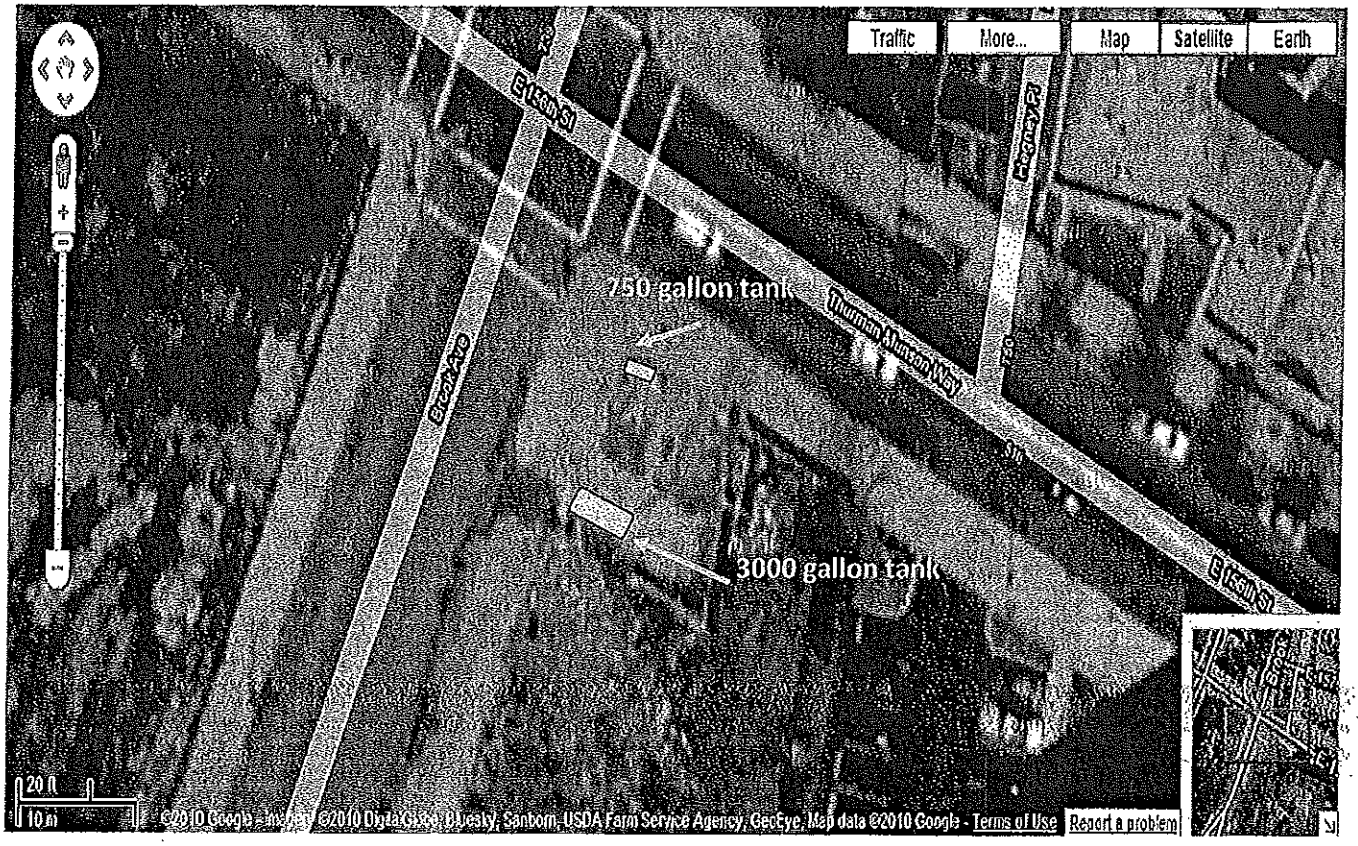
Should you have any additional questions, please do not hesitate to contact me at (631)727-2700 or (631)774-9681.

Sincerely,

Douglas Schimpf
Vice President
Certificate of Fitness Number (62575741)

AMELIA PRIETO
Notary Public, State of New York
No. 01PR6108478
Qualified in Suffolk County
My Commission Expires April 19, 20 12

License to Install, Test, Repair Buried Tank
Certificate of Fitness Number (62575741)

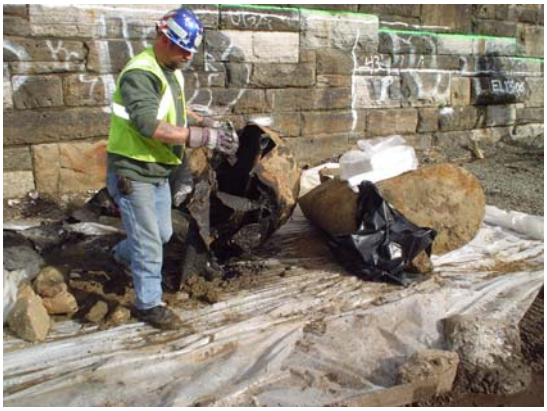


700 Brook Avenue, Bronx NY

APPENDIX C

Selected Photographs

Cutting and cleaning two 550-gallon USTs



Two 275-gallon USTs

Cutting and cleaning two 275-gallon USTs

Removing the 550-gallon USTs

Cutting and cleaning the 3,000-gallon UST

Removing the 3,000-gallon UST

Removing the 750-gallon UST

Cutting and cleaning the 750-gallon UST

Petroleum contaminated soil underneath two 275-gallon USTs

Petroleum contaminated soil stockpiled and covered with polyethylene sheeting

APPENDIX D

Laboratory Analytical Reports

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/15/10

Technical Report for

C. A. Rich Consultants

Via Verde, 700-730 Brook Avenue, Bronx, NY

Accutest Job Number: JA42937

Sampling Dates: 03/25/10 - 03/26/10

Report to:

C. A. Rich Consultants

dshapiro@carichinc.com

ATTN: Deborah Shapiro

Total number of pages in report: **93**

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.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tony Esposito 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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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Sample Summary

C. A. Rich Consultants

Job No: JA42937

Via Verde, 700-730 Brook Avenue, Bronx, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA42937-1	03/25/10	09:15	JC	03/27/10	SO	Soil	EP-1 @ 11'
JA42937-1D	03/25/10	09:15	JC	03/27/10	SO	Soil Dup/MSD	EP-1 MSD
JA42937-1S	03/25/10	09:15	JC	03/27/10	SO	Soil Matrix Spike	EP-1 MS
JA42937-2	03/25/10	09:30	JC	03/27/10	SO	Soil	EP-2 @ 11'
JA42937-3	03/25/10	00:00	JC	03/27/10	SO	Soil	EP-XX
JA42937-4	03/25/10	12:15	JC	03/27/10	SO	Soil	EP-3 @ 8'
JA42937-5	03/26/10	09:00	JC	03/27/10	SO	Soil	EP-4 @ 8'
JA42937-6	03/26/10	09:20	JC	03/27/10	SO	Soil	EP-5 @ 8'
JA42937-7	03/26/10	13:00	JC	03/27/10	SO	Soil	EP-6 @ 8'
JA42937-8	03/26/10	13:15	JC	03/27/10	SO	Soil	EP-7 @ 8'
JA42937-9	03/26/10	13:25	JC	03/27/10	SO	Soil	EP-8 @ 8.5'
JA42937-10	03/26/10	13:40	JC	03/27/10	SO	Soil	EP-9 @ 20'
JA42937-11	03/26/10	14:25	JC	03/27/10	SO	Soil	EP-10 @ 8'

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

C. A. Rich Consultants

Job No: JA42937

Via Verde, 700-730 Brook Avenue, Bronx, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA42937-12	03/25/10	14:30	JC	03/27/10	AQ	Field Blank Soil	FB 3/25
JA42937-13	03/26/10	14:40	JC	03/27/10	AQ	Field Blank Soil	FB 3/26
JA42937-14	03/26/10	14:40	JC	03/27/10	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: C. A. Rich Consultants **Job No** JA42937

Site: Via Verde, 700-730 Brook Avenue, Bronx, NY **Report Date** 4/15/2010 4:10:43 PM

On 03/27/2010, 11 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.2 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA42937 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V2B3061

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA42750-3MS, JA42750-3MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** VG6094

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA42937-7MS, JA42937-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VV4242

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA42937-1MS, JA42937-1MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** VV4243

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA43214-1MS, JA43214-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for cis-1,2-Dichloroethene are outside control limits. High percent recoveries and no associated positive found in thr QC batch.
- Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorobenzene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,1,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromobenzene, Bromoform, Chlorobenzene, Ethylbenzene, Naphthalene, o-Xylene, Styrene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane are outside control limits for sample JA43214-1MSD. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** VV4245

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA42937-11MS, JA42937-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP42851

- All samples were extracted within the recommended method holding time.
- Sample(s) JA42864-1MS, JA42864-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Nitroaniline, Caprolactam are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4-Nitroaniline, Caprolactam are outside control limits. Outside control limits due to matrix interference.
- OP42851-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP42851-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: SO **Batch ID:** OP42892

- All samples were extracted within the recommended method holding time.
- Sample(s) JA42937-1MS, JA42937-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA42937-8 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.
- JA42937-5 for Terphenyl-d14: Outside of in house control limits, but within reasonable method recovery limits.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP52157

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA42834-2MSD, JA42834-2SDL, JA42834-2MS were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP52181

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA42937-1MS, JA42937-1MSD, JA42937-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Arsenic, Selenium are outside control limits for sample MP52181-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Barium, Chromium are outside control limits for sample MP52181-SD1. Serial dilution indicates possible matrix interference.
- JA42937-4 for Lead: Elevated detection limit due to dilution required for high interfering element.

Metals By Method SW846 7471A

Matrix: SO **Batch ID:** MP52212

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA43001-1MS, JA43001-1MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM 4643-00

Matrix: SO **Batch ID:** GN36140

- The data for ASTM 4643-00 meets quality control requirements.

Matrix: SO **Batch ID:** GN36141

- The data for ASTM 4643-00 meets quality control requirements.

Wet Chemistry By Method SM18 2540G

Matrix: SO	Batch ID: GN36111

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EP-1 @ 11'		
Lab Sample ID:	JA42937-1	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101377.D	1	04/03/10	JLI	n/a	n/a	VV4242
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
108-86-1	Bromobenzene	ND	6.1	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.1	0.46	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.1	0.59	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.1	0.58	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.2	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.1	0.35	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.1	0.30	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.1	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-1 @ 11'		
Lab Sample ID:	JA42937-1	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.1	0.70	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.1	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.1	0.52	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.63	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.1	0.52	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
74-95-3	Methylene bromide	ND	6.1	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.1	0.27	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	
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	ND	1.2	0.36	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.28	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.1	0.39	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	0.52	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	0.44	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
	m,p-Xylene	ND	2.4	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	79%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	71%		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

Report of Analysis

Client Sample ID: EP-1 @ 11'
Lab Sample ID: JA42937-1 **Date Sampled:** 03/25/10
Matrix: SO - Soil **Date Received:** 03/27/10
Method: SW846 8270C SW846 3550B **Percent Solids:** 82.1
Project: Via Verde, 700-730 Brook Avenue, Bronx, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18509.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	58	ug/kg	
87-86-5	Pentachlorophenol	ND	350	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
56-55-3	Benzo(a)anthracene	95.2	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	116	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	109	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	94.8	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	71.3	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	
105-60-2	Caprolactam	ND	69	11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-1 @ 11'		
Lab Sample ID:	JA42937-1	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	112	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	31	ug/kg	
206-44-0	Fluoranthene	165	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	80.5	35	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	35	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	79.6	35	16	ug/kg	
129-00-0	Pyrene	224	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-109%
4165-62-2	Phenol-d5	50%		28-108%
118-79-6	2,4,6-Tribromophenol	56%		28-125%
4165-60-0	Nitrobenzene-d5	56%		28-113%

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

Report of Analysis

Client Sample ID:	EP-1 @ 11'		
Lab Sample ID:	JA42937-1	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		38-107%
1718-51-0	Terphenyl-d14	93%		31-116%

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

Report of Analysis

Client Sample ID:	EP-1 @ 11'		
Lab Sample ID:	JA42937-1	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	36.6	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24109
(2) Prep QC Batch: MP52181

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-2 @ 11'		
Lab Sample ID:	JA42937-2	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	77.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101406.D	1	04/03/10	JLI	n/a	n/a	VV4243
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
108-86-1	Bromobenzene	ND	6.4	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	0.28	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	0.33	ug/kg	
75-25-2	Bromoform	ND	6.4	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.4	0.52	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
104-51-8	n-Butylbenzene	ND	6.4	0.49	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.4	0.63	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.4	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.4	0.71	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	0.44	ug/kg	
75-00-3	Chloroethane	ND	6.4	1.3	ug/kg	
67-66-3	Chloroform	ND	6.4	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.4	0.21	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.4	0.37	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.4	0.31	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.4	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.4	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.4	0.43	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.4	0.85	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.4	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.4	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	0.17	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.4	0.14	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-2 @ 11'		
Lab Sample ID:	JA42937-2	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	77.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.4	0.74	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.4	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.4	0.54	ug/kg	
98-82-8	Isopropylbenzene	ND	6.4	0.67	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.4	0.55	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.4	1.0	ug/kg	
74-95-3	Methylene bromide	ND	6.4	0.23	ug/kg	
75-09-2	Methylene chloride	ND	6.4	0.29	ug/kg	
91-20-3	Naphthalene	ND	6.4	0.95	ug/kg	
103-65-1	n-Propylbenzene	ND	6.4	0.33	ug/kg	
100-42-5	Styrene	ND	6.4	0.14	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	6.4	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.38	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	0.44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.4	0.68	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	0.29	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.4	0.41	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	0.55	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	0.46	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	0.23	ug/kg	
	m,p-Xylene	ND	2.6	0.60	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.60	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	74%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	74%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EP-2 @ 11'		
Lab Sample ID:	JA42937-2	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18500.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	740	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	740	45	ug/kg	
95-48-7	2-Methylphenol	ND	74	42	ug/kg	
	3&4-Methylphenol	ND	74	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	63	ug/kg	
108-95-2	Phenol	ND	74	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	ND	37	11	ug/kg	
208-96-8	Acenaphthylene	ND	37	12	ug/kg	
98-86-2	Acetophenone	ND	180	6.5	ug/kg	
120-12-7	Anthracene	ND	37	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.2	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	21	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	4.3	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	74	17	ug/kg	
105-60-2	Caprolactam	ND	74	12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-2 @ 11'		
Lab Sample ID:	JA42937-2	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	74	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	74	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	13	ug/kg	
132-64-9	Dibenzofuran	ND	74	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	8.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	18	ug/kg	
84-66-2	Diethyl phthalate	ND	74	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	32	ug/kg	
206-44-0	Fluoranthene	ND	37	16	ug/kg	
86-73-7	Fluorene	ND	37	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	38	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	13	ug/kg	
78-59-1	Isophorone	ND	74	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	74	21	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	9.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	ND	37	17	ug/kg	
129-00-0	Pyrene	ND	37	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		30-109%
4165-62-2	Phenol-d5	31%		28-108%
118-79-6	2,4,6-Tribromophenol	38%		28-125%
4165-60-0	Nitrobenzene-d5	60%		28-113%

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

Report of Analysis

Client Sample ID:	EP-2 @ 11'		
Lab Sample ID:	JA42937-2	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	60%		38-107%
1718-51-0	Terphenyl-d14	68%		31-116%

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

Report of Analysis

Client Sample ID:	EP-2 @ 11'		
Lab Sample ID:	JA42937-2	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	77.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	34.3	2.5	mg/kg	1	04/09/10	04/12/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24112
(2) Prep QC Batch: MP52181

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-XX		
Lab Sample ID:	JA42937-3	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	84.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101379.D	1	04/03/10	JLI	n/a	n/a	VV4242
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
108-86-1	Bromobenzene	ND	5.8	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.26	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	0.44	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	0.57	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.40	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.2	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	0.33	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	0.28	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	0.12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-XX		
Lab Sample ID:	JA42937-3	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	84.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.8	0.67	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	0.49	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.60	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	0.50	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.95	ug/kg	
74-95-3	Methylene bromide	ND	5.8	0.21	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.26	ug/kg	
91-20-3	Naphthalene	ND	5.8	0.86	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	0.30	ug/kg	
100-42-5	Styrene	ND	5.8	0.12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.34	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.22	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.27	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	0.37	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	0.50	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	0.42	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
	m,p-Xylene	ND	2.3	0.55	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.55	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.55	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	80%		65-132%
2037-26-5	Toluene-D8	99%		74-129%
460-00-4	4-Bromofluorobenzene	69%		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

Report of Analysis

Client Sample ID:	EP-XX		
Lab Sample ID:	JA42937-3	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18504.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	680	41	ug/kg	
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	57	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	ND	34	9.8	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
56-55-3	Benzo(a)anthracene	71.6	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	83.0	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	83.6	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	71.5	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	54.6	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	68	3.9	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	68	16	ug/kg	
105-60-2	Caprolactam	ND	68	11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-XX		
Lab Sample ID:	JA42937-3	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	93.5	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	68	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	16	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	126	68	30	ug/kg	
206-44-0	Fluoranthene	144	34	15	ug/kg	
86-73-7	Fluorene	ND	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.4	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	57.7	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	68	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	34	9.2	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	83.3	34	15	ug/kg	
129-00-0	Pyrene	178	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		30-109%
4165-62-2	Phenol-d5	57%		28-108%
118-79-6	2,4,6-Tribromophenol	64%		28-125%
4165-60-0	Nitrobenzene-d5	79%		28-113%

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EP-XX		
Lab Sample ID:	JA42937-3	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	84.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	90%		38-107%
1718-51-0	Terphenyl-d14	110%		31-116%

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

Report of Analysis

Client Sample ID:	EP-XX		
Lab Sample ID:	JA42937-3	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	84.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	66.0	2.3	mg/kg	1	04/09/10	04/12/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24112
(2) Prep QC Batch: MP52181

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-3 @ 8'		
Lab Sample ID:	JA42937-4	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101380.D	1	04/03/10	JLI	n/a	n/a	VV4242
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.36	ug/kg	
108-86-1	Bromobenzene	ND	5.3	0.39	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	5.3	0.27	ug/kg	
75-25-2	Bromoform	ND	5.3	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.3	0.43	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.3	0.40	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.3	0.52	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.3	0.50	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.3	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	5.3	0.36	ug/kg	
75-00-3	Chloroethane	ND	5.3	1.1	ug/kg	
67-66-3	Chloroform	ND	5.3	0.34	ug/kg	
74-87-3	Chloromethane	ND	5.3	0.18	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.3	0.30	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.3	0.26	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.57	ug/kg	
124-48-1	Dibromochloromethane	ND	5.3	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.3	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.3	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.3	0.36	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.3	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.3	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.3	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.3	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.3	0.48	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.3	0.14	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.3	0.11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-3 @ 8'		
Lab Sample ID:	JA42937-4	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	85.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.3	0.61	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.3	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.3	0.45	ug/kg	
98-82-8	Isopropylbenzene	ND	5.3	0.55	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.3	0.46	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.3	0.86	ug/kg	
74-95-3	Methylene bromide	ND	5.3	0.19	ug/kg	
75-09-2	Methylene chloride	ND	5.3	0.24	ug/kg	
91-20-3	Naphthalene	ND	5.3	0.78	ug/kg	
103-65-1	n-Propylbenzene	ND	5.3	0.27	ug/kg	
100-42-5	Styrene	ND	5.3	0.11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.3	0.15	ug/kg	
108-88-3	Toluene	ND	1.1	0.31	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.3	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.3	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.3	0.56	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.3	0.24	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.3	0.34	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	0.75	5.3	0.46	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	0.50	5.3	0.38	ug/kg	J
75-01-4	Vinyl chloride	ND	5.3	0.19	ug/kg	
	m,p-Xylene	1.3	2.1	0.50	ug/kg	J
95-47-6	o-Xylene	0.54	1.1	0.50	ug/kg	J
1330-20-7	Xylene (total)	1.8	2.1	0.50	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	97%		74-129%
460-00-4	4-Bromofluorobenzene	69%		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

Report of Analysis

Client Sample ID:	EP-3 @ 8'		
Lab Sample ID:	JA42937-4	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18501.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.6	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	3.9	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	67	15	ug/kg	
105-60-2	Caprolactam	ND	67	11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-3 @ 8'		
Lab Sample ID:	JA42937-4	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	67	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	67	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	29	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	670	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.1	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%		30-109%
4165-62-2	Phenol-d5	62%		28-108%
118-79-6	2,4,6-Tribromophenol	71%		28-125%
4165-60-0	Nitrobenzene-d5	77%		28-113%

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

Report of Analysis

Client Sample ID:	EP-3 @ 8'		
Lab Sample ID:	JA42937-4	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	85.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	93%		38-107%
1718-51-0	Terphenyl-d14	103%		31-116%

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

Report of Analysis

Client Sample ID:	EP-3 @ 8'		
Lab Sample ID:	JA42937-4	**Date Sampled:**	03/25/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	85.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead [a]	22.5	4.7	mg/kg	2	04/09/10	04/13/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24121
(2) Prep QC Batch: MP52181

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-4 @ 8'		
Lab Sample ID:	JA42937-5	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	81.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101381.D	1	04/03/10	JLI	n/a	n/a	VV4242
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.5	ug/kg	
71-43-2	Benzene	ND	1.1	0.39	ug/kg	
108-86-1	Bromobenzene	ND	5.7	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	0.29	ug/kg	
75-25-2	Bromoform	ND	5.7	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.46	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.7	0.43	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.7	0.55	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.7	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	0.38	ug/kg	
75-00-3	Chloroethane	ND	5.7	1.1	ug/kg	
67-66-3	Chloroform	ND	5.7	0.36	ug/kg	
74-87-3	Chloromethane	ND	5.7	0.19	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.7	0.32	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.7	0.28	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.7	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.7	0.31	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.7	0.38	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.7	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.7	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.7	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.7	0.51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	0.15	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.7	0.12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-4 @ 8'		
Lab Sample ID:	JA42937-5	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	81.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.7	0.65	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.7	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.42	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.7	0.48	ug/kg	
98-82-8	Isopropylbenzene	ND	5.7	0.59	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.7	0.49	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.32	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	0.92	ug/kg	
74-95-3	Methylene bromide	ND	5.7	0.20	ug/kg	
75-09-2	Methylene chloride	ND	5.7	0.25	ug/kg	
91-20-3	Naphthalene	ND	5.7	0.84	ug/kg	
103-65-1	n-Propylbenzene	ND	5.7	0.29	ug/kg	
100-42-5	Styrene	ND	5.7	0.12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.33	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.7	0.60	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.26	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.7	0.36	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	0.49	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	0.41	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	0.20	ug/kg	
	m,p-Xylene	ND	2.3	0.53	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	2.3	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	97%		74-129%
460-00-4	4-Bromofluorobenzene	69%		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

Report of Analysis

Client Sample ID:	EP-4 @ 8'		
Lab Sample ID:	JA42937-5	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18502.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	58	ug/kg	
87-86-5	Pentachlorophenol	ND	350	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
120-12-7	Anthracene	ND	35	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
56-55-3	Benzo(a)anthracene	40.2	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	42.0	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	53.4	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	34.9	35	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	25.3	35	13	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	
105-60-2	Caprolactam	ND	69	11	ug/kg	

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

Report of Analysis

Client Sample ID: EP-4 @ 8'
Lab Sample ID: JA42937-5 **Date Sampled:** 03/26/10
Matrix: SO - Soil **Date Received:** 03/27/10
Method: SW846 8270C SW846 3550B **Percent Solids:** 81.7
Project: Via Verde, 700-730 Brook Avenue, Bronx, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	51.3	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	31	ug/kg	
206-44-0	Fluoranthene	69.7	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	33.1	35	12	ug/kg	J
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	ND	35	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	32.1	35	16	ug/kg	J
129-00-0	Pyrene	93.1	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		30-109%
4165-62-2	Phenol-d5	52%		28-108%
118-79-6	2,4,6-Tribromophenol	68%		28-125%
4165-60-0	Nitrobenzene-d5	78%		28-113%

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

Report of Analysis

Client Sample ID:	EP-4 @ 8'		
Lab Sample ID:	JA42937-5	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	81.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	84%		38-107%
1718-51-0	Terphenyl-d14	120% [a]		31-116%

(a) Outside of in house control limits, but within reasonable method recovery limits.

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

Report of Analysis

Client Sample ID:	EP-4 @ 8'		
Lab Sample ID:	JA42937-5	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	81.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	22.6	2.4	mg/kg	1	04/09/10	04/12/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24112
(2) Prep QC Batch: MP52181

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-5 @ 8'		
Lab Sample ID:	JA42937-6	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	88.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101382.D	1	04/03/10	JLI	n/a	n/a	VV4242
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
108-86-1	Bromobenzene	ND	6.0	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.46	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	0.59	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.2	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	0.34	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-5 @ 8'		
Lab Sample ID:	JA42937-6	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	88.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.0	0.69	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	0.51	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	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.98	ug/kg	
74-95-3	Methylene bromide	ND	6.0	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
91-20-3	Naphthalene	ND	6.0	0.89	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.31	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.28	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	0.38	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	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
	m,p-Xylene	ND	2.4	0.57	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	2.4	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-127%
17060-07-0	1,2-Dichloroethane-D4	80%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	68%		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

Report of Analysis

Client Sample ID:	EP-5 @ 8'		
Lab Sample ID:	JA42937-6	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18503.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	37	ug/kg	
	3&4-Methylphenol	ND	64	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	64	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	14.8	32	9.3	ug/kg	J
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.7	ug/kg	
120-12-7	Anthracene	29.6	32	11	ug/kg	J
1912-24-9	Atrazine	ND	160	6.3	ug/kg	
56-55-3	Benzo(a)anthracene	117	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	119	32	9.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	123	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	83.5	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	62.3	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	64	3.7	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	64	15	ug/kg	
105-60-2	Caprolactam	ND	64	10	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-5 @ 8'		
Lab Sample ID:	JA42937-6	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	145	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.7	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	24.4	32	11	ug/kg	J
132-64-9	Dibenzofuran	ND	64	9.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	16	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64	28	ug/kg	
206-44-0	Fluoranthene	208	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	640	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	68.6	32	11	ug/kg	
78-59-1	Isophorone	ND	64	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
98-95-3	Nitrobenzene	ND	64	9.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	166	32	15	ug/kg	
129-00-0	Pyrene	252	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-109%
4165-62-2	Phenol-d5	47%		28-108%
118-79-6	2,4,6-Tribromophenol	61%		28-125%
4165-60-0	Nitrobenzene-d5	65%		28-113%

ND = Not detected MDL - Method Detection Limit
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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

Report of Analysis

Client Sample ID:	EP-5 @ 8'		
Lab Sample ID:	JA42937-6	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	88.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%		38-107%
1718-51-0	Terphenyl-d14	104%		31-116%

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

Report of Analysis

Client Sample ID:	EP-5 @ 8'		
Lab Sample ID:	JA42937-6	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	88.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	108	2.2	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24109
(2) Prep QC Batch: MP52181

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-6 @ 8'		
Lab Sample ID:	JA42937-7	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	77.5
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G128563.D	1	04/03/10	SJM	n/a	n/a	VG6094
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	3.2	ug/kg	
71-43-2	Benzene	ND	1.4	0.49	ug/kg	
108-86-1	Bromobenzene	ND	7.2	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	7.2	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	0.37	ug/kg	
75-25-2	Bromoform	ND	7.2	0.22	ug/kg	
74-83-9	Bromomethane	ND	7.2	0.58	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.8	ug/kg	
104-51-8	n-Butylbenzene	ND	7.2	0.54	ug/kg	
135-98-8	sec-Butylbenzene	ND	7.2	0.70	ug/kg	
98-06-6	tert-Butylbenzene	ND	7.2	0.68	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	0.80	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	0.49	ug/kg	
75-00-3	Chloroethane	ND	7.2	1.4	ug/kg	
67-66-3	Chloroform	ND	7.2	0.46	ug/kg	
74-87-3	Chloromethane	ND	7.2	0.24	ug/kg	
95-49-8	o-Chlorotoluene	ND	7.2	0.41	ug/kg	
106-43-4	p-Chlorotoluene	ND	7.2	0.35	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	14	0.78	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	0.16	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.20	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.2	0.39	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.2	0.39	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.2	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.2	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.2	0.95	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.2	0.34	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.2	0.64	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	0.19	ug/kg	
142-28-9	1,3-Dichloropropane	ND	7.2	0.15	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-6 @ 8'		
Lab Sample ID:	JA42937-7	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	77.5
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	7.2	0.82	ug/kg	
563-58-6	1,1-Dichloropropene	ND	7.2	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	0.14	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.53	ug/kg	
87-68-3	Hexachlorobutadiene	ND	7.2	0.61	ug/kg	
98-82-8	Isopropylbenzene	ND	7.2	0.74	ug/kg	
99-87-6	p-Isopropyltoluene	ND	7.2	0.62	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.2	1.2	ug/kg	
74-95-3	Methylene bromide	ND	7.2	0.25	ug/kg	
75-09-2	Methylene chloride	ND	7.2	0.32	ug/kg	
91-20-3	Naphthalene	ND	7.2	1.1	ug/kg	
103-65-1	n-Propylbenzene	ND	7.2	0.37	ug/kg	
100-42-5	Styrene	ND	7.2	0.15	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.2	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	0.42	ug/kg	
127-18-4	Tetrachloroethene	ND	7.2	0.21	ug/kg	
108-88-3	Toluene	ND	1.4	0.42	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.2	0.49	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.2	0.27	ug/kg	
79-01-6	Trichloroethene	ND	7.2	0.75	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.2	0.33	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	7.2	0.46	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	0.87	7.2	0.62	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	0.72	7.2	0.51	ug/kg	J
75-01-4	Vinyl chloride	ND	7.2	0.26	ug/kg	
	m,p-Xylene	ND	2.9	0.67	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.67	ug/kg	
1330-20-7	Xylene (total)	ND	2.9	0.67	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	112%		74-129%
460-00-4	4-Bromofluorobenzene	117%		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

Report of Analysis

Client Sample ID:	EP-6 @ 8'		
Lab Sample ID:	JA42937-7	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.5
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18506.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	740	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	740	45	ug/kg	
95-48-7	2-Methylphenol	ND	74	42	ug/kg	
	3&4-Methylphenol	ND	74	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	63	ug/kg	
108-95-2	Phenol	ND	74	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	ND	37	11	ug/kg	
208-96-8	Acenaphthylene	ND	37	12	ug/kg	
98-86-2	Acetophenone	ND	180	6.5	ug/kg	
120-12-7	Anthracene	ND	37	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.3	ug/kg	
56-55-3	Benzo(a)anthracene	90.6	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	104	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	114	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	85.5	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	46.7	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	21	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	4.3	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	ND	74	17	ug/kg	
105-60-2	Caprolactam	ND	74	12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-6 @ 8'		
Lab Sample ID:	JA42937-7	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.5
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	102	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	74	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	74	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	74	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	13	ug/kg	
132-64-9	Dibenzofuran	ND	74	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	8.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	18	ug/kg	
84-66-2	Diethyl phthalate	ND	74	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	33	ug/kg	
206-44-0	Fluoranthene	156	37	16	ug/kg	
86-73-7	Fluorene	ND	37	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	38	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	68.3	37	13	ug/kg	
78-59-1	Isophorone	ND	74	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	74	21	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	14.8	37	10	ug/kg	J
98-95-3	Nitrobenzene	ND	74	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	9.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	81.9	37	17	ug/kg	
129-00-0	Pyrene	191	37	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-109%
4165-62-2	Phenol-d5	56%		28-108%
118-79-6	2,4,6-Tribromophenol	64%		28-125%
4165-60-0	Nitrobenzene-d5	73%		28-113%

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

Report of Analysis

Client Sample ID:	EP-6 @ 8'		
Lab Sample ID:	JA42937-7	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	77.5
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	85%		38-107%
1718-51-0	Terphenyl-d14	96%		31-116%

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

Report of Analysis

Client Sample ID: EP-6 @ 8'
Lab Sample ID: JA42937-7
Matrix: SO - Soil
Project: Via Verde, 700-730 Brook Avenue, Bronx, NY

Date Sampled: 03/26/10
Date Received: 03/27/10
Percent Solids: 77.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.5	2.5	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Barium	31.2	25	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.61	0.61	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	8.9	1.2	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	41.4	2.5	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.087	0.039	mg/kg	1	04/12/10	04/12/10	JW	SW846 7471A [2]	SW846 7471A [4]
Selenium	< 2.5	2.5	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 0.61	0.61	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA24109
(2) Instrument QC Batch: MA24111
(3) Prep QC Batch: MP52181
(4) Prep QC Batch: MP52212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-7 @ 8'		
Lab Sample ID:	JA42937-8	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	83.0
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101407.D	1	04/03/10	JLI	n/a	n/a	VV4243
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
108-86-1	Bromobenzene	ND	6.3	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	0.28	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.32	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
104-51-8	n-Butylbenzene	ND	6.3	0.48	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.3	0.61	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.3	0.60	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.3	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.3	0.36	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.3	0.31	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.3	0.34	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.3	0.35	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.3	0.42	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.16	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.3	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-7 @ 8'		
Lab Sample ID:	JA42937-8	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	83.0
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.3	0.72	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.3	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	0.55	1.3	0.47	ug/kg	J
87-68-3	Hexachlorobutadiene	ND	6.3	0.53	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.65	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.3	0.54	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
74-95-3	Methylene bromide	ND	6.3	0.22	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
91-20-3	Naphthalene	ND	6.3	0.92	ug/kg	
103-65-1	n-Propylbenzene	ND	6.3	0.32	ug/kg	
100-42-5	Styrene	ND	6.3	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.18	ug/kg	
108-88-3	Toluene	1.7	1.3	0.37	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	2.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.43	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.29	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.3	0.40	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	0.54	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	0.45	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.22	ug/kg	
	m,p-Xylene	1.7	2.5	0.59	ug/kg	J
95-47-6	o-Xylene	0.60	1.3	0.59	ug/kg	J
1330-20-7	Xylene (total)	2.3	2.5	0.59	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	74%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	70%		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

Report of Analysis

Client Sample ID:	EP-7 @ 8'		
Lab Sample ID:	JA42937-8	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.0
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18512.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	30.7	34	10	ug/kg	J
208-96-8	Acenaphthylene	55.7	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
120-12-7	Anthracene	104	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
56-55-3	Benzo(a)anthracene	354	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	390	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	410	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	319	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	178	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	36.7	69	16	ug/kg	J
105-60-2	Caprolactam	ND	69	11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-7 @ 8'		
Lab Sample ID:	JA42937-8	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.0
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	337	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	64.7	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	3340	69	30	ug/kg	
206-44-0	Fluoranthene	583	34	15	ug/kg	
86-73-7	Fluorene	24.3	34	11	ug/kg	J
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	199	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	56.5	69	19	ug/kg	J
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	33.0	34	9.4	ug/kg	J
98-95-3	Nitrobenzene	ND	69	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	307	34	16	ug/kg	
129-00-0	Pyrene	404	34	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	80%		30-109%
4165-62-2	Phenol-d5	70%		28-108%
118-79-6	2,4,6-Tribromophenol	77%		28-125%
4165-60-0	Nitrobenzene-d5	96%		28-113%

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

Report of Analysis

Client Sample ID:	EP-7 @ 8'		
Lab Sample ID:	JA42937-8	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	83.0
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	108% [a]		38-107%
1718-51-0	Terphenyl-d14	83%		31-116%

(a) Outside of in house control limits, but within reasonable method recovery limits.

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

Report of Analysis

Client Sample ID:	EP-7 @ 8'		
Lab Sample ID:	JA42937-8	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	83.0
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.5	2.4	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Barium	81.8	24	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	1.3	0.59	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	16.9	1.2	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	188	2.4	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.37	0.039	mg/kg	1	04/12/10	04/12/10	JW	SW846 7471A [2]	SW846 7471A [4]
Selenium	< 2.4	2.4	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 0.59	0.59	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA24109
(2) Instrument QC Batch: MA24111
(3) Prep QC Batch: MP52181
(4) Prep QC Batch: MP52212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-8 @ 8.5'		
Lab Sample ID:	JA42937-9	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	86.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101448.D	1	04/05/10	JLI	n/a	n/a	VV4245
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.39	ug/kg	
108-86-1	Bromobenzene	ND	5.8	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.25	ug/kg	
75-27-4	Bromodichloromethane	ND	5.8	0.30	ug/kg	
75-25-2	Bromoform	ND	5.8	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.8	0.47	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.8	0.44	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.8	0.56	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.8	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.8	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	5.8	0.39	ug/kg	
75-00-3	Chloroethane	ND	5.8	1.2	ug/kg	
67-66-3	Chloroform	ND	5.8	0.37	ug/kg	
74-87-3	Chloromethane	ND	5.8	0.19	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.8	0.33	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.8	0.28	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.62	ug/kg	
124-48-1	Dibromochloromethane	ND	5.8	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.8	0.31	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.8	0.32	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.8	0.39	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.8	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.8	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.40	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.8	0.76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.8	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.8	0.52	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.8	0.15	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.8	0.12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-8 @ 8.5'		
Lab Sample ID:	JA42937-9	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	86.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.8	0.66	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.8	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.43	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.8	0.49	ug/kg	
98-82-8	Isopropylbenzene	ND	5.8	0.60	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.8	0.50	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	0.94	ug/kg	
74-95-3	Methylene bromide	ND	5.8	0.20	ug/kg	
75-09-2	Methylene chloride	ND	5.8	0.26	ug/kg	
91-20-3	Naphthalene	ND	5.8	0.85	ug/kg	
103-65-1	n-Propylbenzene	ND	5.8	0.29	ug/kg	
100-42-5	Styrene	ND	5.8	0.12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	0.34	ug/kg	
127-18-4	Tetrachloroethene	ND	5.8	0.17	ug/kg	
108-88-3	Toluene	0.65	1.2	0.34	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	1.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.8	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.8	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.8	0.61	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.26	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.8	0.37	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	0.50	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	0.41	ug/kg	
75-01-4	Vinyl chloride	ND	5.8	0.21	ug/kg	
	m,p-Xylene	1.2	2.3	0.54	ug/kg	J
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	1.7	2.3	0.54	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	72%		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

Report of Analysis

Client Sample ID:	EP-8 @ 8.5'		
Lab Sample ID:	JA42937-9	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18507.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	53	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	40	ug/kg	
95-48-7	2-Methylphenol	ND	66	38	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	160	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	56	ug/kg	
108-95-2	Phenol	ND	66	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.6	ug/kg	
208-96-8	Acenaphthylene	16.0	33	11	ug/kg	J
98-86-2	Acetophenone	ND	160	5.8	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	160	6.5	ug/kg	
56-55-3	Benzo(a)anthracene	123	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	165	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	175	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	145	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	71.0	33	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	66	3.8	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	11	ug/kg	
86-74-8	Carbazole	ND	66	15	ug/kg	
105-60-2	Caprolactam	ND	66	10	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-8 @ 8.5'		
Lab Sample ID:	JA42937-9	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	124	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	9.9	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.8	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	9.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	29.6	33	11	ug/kg	J
132-64-9	Dibenzofuran	ND	66	9.8	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	29	ug/kg	
206-44-0	Fluoranthene	117	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.2	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	34	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.2	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	109	33	11	ug/kg	
78-59-1	Isophorone	ND	66	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	66	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.0	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	154	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		30-109%
4165-62-2	Phenol-d5	53%		28-108%
118-79-6	2,4,6-Tribromophenol	67%		28-125%
4165-60-0	Nitrobenzene-d5	72%		28-113%

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

Report of Analysis

Client Sample ID:	EP-8 @ 8.5'		
Lab Sample ID:	JA42937-9	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	91%		38-107%
1718-51-0	Terphenyl-d14	99%		31-116%

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

Report of Analysis

Client Sample ID:	EP-8 @ 8.5'		
Lab Sample ID:	JA42937-9	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	86.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.5	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Barium	42.0	23	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.58	0.58	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	15.4	1.2	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	52.4	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.037	0.037	mg/kg	1	04/12/10	04/12/10	JW	SW846 7471A [2]	SW846 7471A [4]
Selenium	< 2.3	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 0.58	0.58	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA24109
(2) Instrument QC Batch: MA24111
(3) Prep QC Batch: MP52181
(4) Prep QC Batch: MP52212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-9 @ 20'		
Lab Sample ID:	JA42937-10	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	87.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101449.D	1	04/05/10	JLI	n/a	n/a	VV4245
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
108-86-1	Bromobenzene	ND	5.5	0.40	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.24	ug/kg	
75-27-4	Bromodichloromethane	ND	5.5	0.28	ug/kg	
75-25-2	Bromoform	ND	5.5	0.17	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.2	ug/kg	
104-51-8	n-Butylbenzene	ND	5.5	0.42	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.5	0.54	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.5	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.5	0.61	ug/kg	
108-90-7	Chlorobenzene	ND	5.5	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.5	1.1	ug/kg	
67-66-3	Chloroform	ND	5.5	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.18	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.5	0.31	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.5	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.59	ug/kg	
124-48-1	Dibromochloromethane	ND	5.5	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.5	0.30	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.5	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.5	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.5	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.5	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.38	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.5	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.5	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.5	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.5	0.14	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.5	0.12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-9 @ 20'		
Lab Sample ID:	JA42937-10	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	87.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.5	0.63	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	0.15	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	0.11	ug/kg	
100-41-4	Ethylbenzene	0.48	1.1	0.41	ug/kg	J
87-68-3	Hexachlorobutadiene	ND	5.5	0.46	ug/kg	
98-82-8	Isopropylbenzene	ND	5.5	0.57	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.5	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.89	ug/kg	
74-95-3	Methylene bromide	ND	5.5	0.19	ug/kg	
75-09-2	Methylene chloride	ND	5.5	0.24	ug/kg	
91-20-3	Naphthalene	ND	5.5	0.81	ug/kg	
103-65-1	n-Propylbenzene	ND	5.5	0.28	ug/kg	
100-42-5	Styrene	ND	5.5	0.12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.5	0.16	ug/kg	
108-88-3	Toluene	0.66	1.1	0.32	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.5	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.5	0.58	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.25	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.5	0.35	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	0.47	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	0.39	ug/kg	
75-01-4	Vinyl chloride	ND	5.5	0.20	ug/kg	
	m,p-Xylene	0.69	2.2	0.51	ug/kg	J
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	1.2	2.2	0.51	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	72%		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

Report of Analysis

Client Sample ID:	EP-9 @ 20'		
Lab Sample ID:	JA42937-10	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18505.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	37	ug/kg	
	3&4-Methylphenol	ND	64	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	64	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.3	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.7	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.3	ug/kg	
56-55-3	Benzo(a)anthracene	20.7	32	11	ug/kg	J
50-32-8	Benzo(a)pyrene	24.0	32	9.8	ug/kg	J
205-99-2	Benzo(b)fluoranthene	19.6	32	11	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	28.7	32	12	ug/kg	J
207-08-9	Benzo(k)fluoranthene	22.1	32	12	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	64	3.7	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	64	15	ug/kg	
105-60-2	Caprolactam	ND	64	10	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-9 @ 20'		
Lab Sample ID:	JA42937-10	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	18.7	32	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.7	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.6	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	64	9.6	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64	7.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	16	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64	28	ug/kg	
206-44-0	Fluoranthene	17.2	32	14	ug/kg	J
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	9.0	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	640	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	21.8	32	11	ug/kg	J
78-59-1	Isophorone	ND	64	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
98-95-3	Nitrobenzene	ND	64	9.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	24.2	32	12	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		30-109%
4165-62-2	Phenol-d5	56%		28-108%
118-79-6	2,4,6-Tribromophenol	75%		28-125%
4165-60-0	Nitrobenzene-d5	78%		28-113%

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

Report of Analysis

Client Sample ID:	EP-9 @ 20'		
Lab Sample ID:	JA42937-10	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	89%		38-107%
1718-51-0	Terphenyl-d14	100%		31-116%

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

Report of Analysis

Client Sample ID:	EP-9 @ 20'		
Lab Sample ID:	JA42937-10	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	87.7
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.6	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Barium	41.0	23	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.56	0.56	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	13.2	1.1	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	24.6	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	0.036	0.034	mg/kg	1	04/12/10	04/12/10	JW	SW846 7471A [2]	SW846 7471A [4]
Selenium	< 2.3	2.3	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 0.56	0.56	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA24109
(2) Instrument QC Batch: MA24111
(3) Prep QC Batch: MP52181
(4) Prep QC Batch: MP52212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-10 @ 8'		
Lab Sample ID:	JA42937-11	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V101450.D	1	04/05/10	JLI	n/a	n/a	VV4245
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
108-86-1	Bromobenzene	ND	6.0	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.26	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.45	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	
56-23-5	Carbon tetrachloride	ND	6.0	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.40	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.2	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	0.34	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-10 @ 8'		
Lab Sample ID:	JA42937-11	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.0	0.68	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	0.51	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
74-95-3	Methylene bromide	ND	6.0	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
91-20-3	Naphthalene	ND	6.0	0.88	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.30	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	0.72	6.0	0.17	ug/kg	J
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.27	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	0.38	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	0.51	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	0.43	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	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	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	76%		62-138%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EP-10 @ 8'		
Lab Sample ID:	JA42937-11	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18508.D	1	04/09/10	KLS	04/01/10	OP42892	E3M794
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	42	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	18.5	35	11	ug/kg	J
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
120-12-7	Anthracene	23.4	35	12	ug/kg	J
1912-24-9	Atrazine	ND	170	6.9	ug/kg	
56-55-3	Benzo(a)anthracene	137	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	181	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	189	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	132	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	85.2	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	70	16	ug/kg	
105-60-2	Caprolactam	ND	70	11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-10 @ 8'		
Lab Sample ID:	JA42937-11	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	162	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	42.2	35	12	ug/kg	
132-64-9	Dibenzofuran	ND	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	241	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	110	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	20.7	70	19	ug/kg	J
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	109	35	16	ug/kg	
129-00-0	Pyrene	236	35	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-109%
4165-62-2	Phenol-d5	54%		28-108%
118-79-6	2,4,6-Tribromophenol	69%		28-125%
4165-60-0	Nitrobenzene-d5	76%		28-113%

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

Report of Analysis

Client Sample ID:	EP-10 @ 8'		
Lab Sample ID:	JA42937-11	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	95%		38-107%
1718-51-0	Terphenyl-d14	91%		31-116%

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

Report of Analysis

Client Sample ID:	EP-10 @ 8'		
Lab Sample ID:	JA42937-11	**Date Sampled:**	03/26/10
Matrix:	SO - Soil	**Date Received:**	03/27/10
		Percent Solids:	82.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	7.1	2.4	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Barium	131	24	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Cadmium	< 0.61	0.61	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Chromium	31.6	1.2	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Lead	906	2.4	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Mercury	21.9	3.9	mg/kg	100	04/12/10	04/12/10	JW	SW846 7471A [2]	SW846 7471A [4]
Selenium	< 2.4	2.4	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]
Silver	< 0.61	0.61	mg/kg	1	04/09/10	04/10/10	ND	SW846 6010B [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA24109
(2) Instrument QC Batch: MA24111
(3) Prep QC Batch: MP52181
(4) Prep QC Batch: MP52212

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB 3/25		
Lab Sample ID:	JA42937-12	**Date Sampled:**	03/25/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B68516.D	1	04/03/10	MFH	n/a	n/a	V2B3061
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

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

Report of Analysis

Client Sample ID:	FB 3/25		
Lab Sample ID:	JA42937-12	**Date Sampled:**	03/25/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		64-135%
2037-26-5	Toluene-D8	99%		76-117%
460-00-4	4-Bromofluorobenzene	101%		72-122%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB 3/25		
Lab Sample ID:	JA42937-12	**Date Sampled:**	03/25/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M28133.D	1	04/01/10	OYA	03/29/10	OP42851	E2M1188
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
98-86-2	Acetophenone	ND	5.0	0.40	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
1912-24-9	Atrazine	ND	5.0	0.39	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.40	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.0	0.42	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	2.0	0.17	ug/l	
105-60-2	Caprolactam	ND	2.0	0.20	ug/l	

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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

Report of Analysis

Client Sample ID:	FB 3/25		
Lab Sample ID:	JA42937-12	**Date Sampled:**	03/25/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		13-68%
4165-62-2	Phenol-d5	27%		10-49%
118-79-6	2,4,6-Tribromophenol	91%		37-130%
4165-60-0	Nitrobenzene-d5	91%		25-112%

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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

Report of Analysis

Client Sample ID:	FB 3/25		
Lab Sample ID:	JA42937-12	**Date Sampled:**	03/25/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		31-106%
1718-51-0	Terphenyl-d14	92%		14-122%

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

Report of Analysis

Client Sample ID:	FB 3/25		
Lab Sample ID:	JA42937-12	**Date Sampled:**	03/25/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 3.0	3.0	ug/l	1	04/07/10	04/09/10	GT	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA24098
(2) Prep QC Batch: MP52157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FB 3/26		
Lab Sample ID:	JA42937-13	**Date Sampled:**	03/26/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B68517.D	1	04/03/10	MFH	n/a	n/a	V2B3061
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB 3/26		
Lab Sample ID:	JA42937-13	**Date Sampled:**	03/26/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		64-135%
2037-26-5	Toluene-D8	101%		76-117%
460-00-4	4-Bromofluorobenzene	103%		72-122%

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

Report of Analysis

Client Sample ID:	FB 3/26		
Lab Sample ID:	JA42937-13	**Date Sampled:**	03/26/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M28134.D	1	04/01/10	OYA	03/29/10	OP42851	E2M1188
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	0.77	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.53	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.2	ug/l	
	3&4-Methylphenol	ND	2.1	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.86	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.83	ug/l	
108-95-2	Phenol	ND	2.1	0.60	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.38	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.29	ug/l	
98-86-2	Acetophenone	ND	5.2	0.42	ug/l	
120-12-7	Anthracene	ND	1.0	0.17	ug/l	
1912-24-9	Atrazine	ND	5.2	0.41	ug/l	
100-52-7	Benzaldehyde	ND	5.2	0.42	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.13	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.26	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.26	ug/l	
92-52-4	1,1'-Biphenyl	ND	2.1	0.44	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.2	0.43	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.26	ug/l	
86-74-8	Carbazole	ND	2.1	0.17	ug/l	
105-60-2	Caprolactam	ND	2.1	0.20	ug/l	

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

Report of Analysis

Client Sample ID:	FB 3/26		
Lab Sample ID:	JA42937-13	**Date Sampled:**	03/26/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.32	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.23	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.34	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.31	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.16	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.32	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.20	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.41	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.34	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.18	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	2.1	0.39	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.39	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.70	ug/l	
67-72-1	Hexachloroethane	ND	5.2	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.14	ug/l	
78-59-1	Isophorone	ND	2.1	0.26	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.1	0.69	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.30	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.19	ug/l	
91-20-3	Naphthalene	ND	1.0	0.44	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.26	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.46	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.22	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		13-68%
4165-62-2	Phenol-d5	28%		10-49%
118-79-6	2,4,6-Tribromophenol	85%		37-130%
4165-60-0	Nitrobenzene-d5	85%		25-112%

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

Report of Analysis

Client Sample ID:	FB 3/26		
Lab Sample ID:	JA42937-13	**Date Sampled:**	03/26/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	75%		31-106%
1718-51-0	Terphenyl-d14	95%		14-122%

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

Report of Analysis

Client Sample ID:	FB 3/26		
Lab Sample ID:	JA42937-13	**Date Sampled:**	03/26/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	03/27/10
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 3.0	3.0	ug/l	1	04/07/10	04/09/10	GT	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA24098
(2) Prep QC Batch: MP52157

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA42937-14	**Date Sampled:**	03/26/10
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B68518.D	1	04/03/10	MFH	n/a	n/a	V2B3061
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA42937-14	**Date Sampled:**	03/26/10
Matrix:	AQ - Trip Blank Soil	**Date Received:**	03/27/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		64-135%
2037-26-5	Toluene-D8	99%		76-117%
460-00-4	4-Bromofluorobenzene	102%		72-122%

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FedEx Tracking # 7985 1404 9569

Bottle Order Control # 12-314/2010-12
Accutest Job # JA42937

Client / Reporting Information

Company Name: CA Rich Consultants
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Deborah Shapiro E-mail:
Phone #: 516-576-8844 Fax #: 516-576-0093
Sampler(s) Name(s): Jason T. Cooper Phone #: 5.4.4.

Project Information

Project Name: Via Verde
Street: 708 Brook Ave
City: Bronx State: NY
Project #:
Client Purchase Order #: Via Verde Bronx/LOST
Project Manager: Deborah Shapiro

Billing Information (If different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	EnCORE	VOCs 8260	SVOCs 8270	Lead	ASP metals	LAB USE ONLY
	EP-1@11'	-1	3/25/10	0915	JC	SO	2					X				X	X	X		UTC6,
	EP-2@11'	-2	3/25/10	0930	JC	SO	2					X				X	X	X		1902
	EP-1 MS	-1	3/25/10	0915	JC	SO	2					X				X	X	X		EX6,
	EP-1 MSD	-1	3/25/10	0915	JC	SO	2					X				X	X	X		AMET,
	EP-XX	-3	3/25/10	—	JC	SO	2					X				X	X	X		979
	EP-3@8'	-4	3/25/10	1215	JC	SO	2					X				X	X	X		
	EP-4@8'	-5	3/26/10	0900	JC	SO	2					X				X	X	X		
	EP-5@8'	-6	3/26/10	0920	JC	SO	2					X				X	X	X		
	EP-6@8'	-7	3/26/10	1300	JC	SO	2					X				X	X		X	
	EP-7@8'	-8	3/26/10	1315	JC	SO	2					X				X	X		X	
	EP-8@8.5'	-9	3/26/10	1325	JC	SO	2					X				X	X		X	
	EP-9@20'	-10	3/26/10	1340	JC	SO	0					X				X	X		X	

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

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)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [X] 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

36 total bottles in cooler
for pg 1 & 2

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	Jason Cooper	3/26/10	FedX	FedX	3/27/10 1100	
2						
3						
4						
5						

Custody Seal # 816 [X] Intact [ ] Not intact

Preserved where applicable [ ]

On Ice [X]

Cooler Temp. 3.2 °C

SO FB STB

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Bottle Order Control #: TE-314 2010-12
Accutest Quote #:
Accutest Job #: JA42937

Client / Reporting Information

Company Name: CA Rich Consultants
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Deborah Shapiro E-mail:
Phone #: 516-576-8844 Fax #:
Sampler(s) Name(s): Jason Cooper Phone #:

Project Information

Project Name: Via Verde
Street: 200 Brook Ave
City: Bronx State: NY
Project #:
Client Purchase Order #: Via Verde Bronx/UST
Project Manager: Deborah Shapiro

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

VOCs of 2010
SVOCs 8270
Lead
PCBs Metals

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	VOCs of 2010	SVOCs 8270	Lead	PCBs Metals	LAB USE ONLY
	EP-10@8' - 11		3/26/2010	1425	JC	SO	2					X				X	X		X	
	FB 3/25 - 12		3/25/2010	1930	JC	WW	4	X		X		X				X	X	X		
	FB 3/26 - 13		3/26/2010	1940	JC	WW	4	X		X		X				X	X	X		
	Trip Blank - 14		3/8/10	0630	JC	WW	2	X								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)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [X] 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

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	Jason F. Cooper	3/26/10	Fed X	Fed X	3/27/10 1110	
2						
3						
4						
5						

Custody Seal # [ ] Intact [ ] Not intact

Preserved where applicable: On Ice [ ] Cooler Temp.

JA42937 /
COC

ACCUTEST

Sample Log-In Summary

ab Name: ACCUTEST Page 1 of 1

eceived by (Print Name): M CATENA Log-in Date: 3/27/10

eceived by (Signature): M Catena

		CORRESPONDING			
ise Number:	N/A	NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
)G Number:					
.S Number:	N/A				
:MARKS:		N/A		JA42937-	1 MS/MSD OK
Custody Seal(s)	Present/Absent*	N/A		-	2
	Intact/Broken	N/A		-	3
Custody Seal Numbers:	8/6	N/A		-	4
		N/A		-	5
Chain-of-Custody Records	Present/Absent*	N/A		-	6
Contract Lab Sample Inform. Sheet (CLSIS)	Present/Absent* N/A	N/A		-	7
		N/A		-	8
		N/A		-	9
		N/A		-	10
Airbill	Airbill/Sticker Present/Absent*	N/A		-	11
		N/A		-	12 FB
Airbill No.:	7985 1904 9589	N/A		-	13 FB
		N/A		-	14 TB
Sample Tags	Present/Absent* N/A	N/A			
Sample Tag Nos.	Listed/Not Listed on Chain-of-Custody N/A	N/A			
		N/A			
Sample Condition	Intact/Broken*/ Leaking	N/A			
		N/A			
ples Information custody rec., SIS, & sample s agree	COC + LABELS AGREE	N/A			
		N/A			
		N/A			
	Yes/No*	N/A			
ate received Lab:	3/27/10	N/A			
me Received:	1110	N/A			
		N/A			
aqueous VOC vials					
adspace?	Yes/No*				
preserved voc					
ples fully im- in preservative?	Yes/No* N/A	N/A			
	Sample Transfer				
	See Internal Chain of Custody				

t BTSR and attach record of resolution

l By:

Logbook No.: N/A

Logbook Page No.: N/A

Form: SM10-02

JA42937: Chain of Custody
Page 3 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA42937 **Client:** **Immediate Client Services Action Required:** No

Date / Time Received: 3/27/2010 **Delivery Method:** **Client Service Action Required at Login:** No

Project: **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	Y	or	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	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	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

JA42937: Chain of Custody
Page 4 of 4

Technical Report for

C. A. Rich Consultants

Via Verde, 700-730 Brook Avenue, Bronx, NY

Accutest Job Number: JA44205

Sampling Date: 04/13/10

Report to:

C. A. Rich Consultants

dshapiro@carichinc.com

ATTN: Deborah Shapiro

Total number of pages in report: **47**

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: Tony Esposito 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

C. A. Rich Consultants

Job No: JA44205

Via Verde, 700-730 Brook Avenue, Bronx, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA44205-1	04/13/10	08:15	JP	04/14/10	SO	Soil	EP-19
JA44205-2	04/13/10	08:20	JP	04/14/10	SO	Soil	EP-20
JA44205-3	04/13/10	08:23	JP	04/14/10	SO	Soil	EP-21
JA44205-4	04/13/10	08:29	JP	04/14/10	SO	Soil	EP-22
JA44205-5	04/13/10	08:35	JP	04/14/10	SO	Soil	EP-23
JA44205-6	04/13/10	08:45	JP	04/14/10	AQ	Field Blank Soil	FIELD BLANK 4/13/10
JA44205-7	04/13/10	08:45	JP	04/14/10	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: C. A. Rich Consultants **Job No** JA44205

Site: Via Verde, 700-730 Brook Avenue, Bronx, NY **Report Date** 4/27/2010 5:36:44 PM

On 04/14/2010, 5 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.4 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA44205 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V1C3347

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44318-1MS, JA44318-1MSD were used as the QC samples indicated.
- Matrix Spike Duplicate Recovery(s) for Tetrachloroethene are outside control limits. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** VG6109

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA44138-6MS, JA44138-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP43136

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44212-1MS, JA44212-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Atrazine are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- RPD(s) for MSD for 4-Nitrophenol are outside control limits for sample OP43136-MSD. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** OP43126

- Sample(s) JA44205-1MS, JA44205-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Phenanthrene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Phenanthrene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dimethylphenol are outside control limits for sample OP43126-MSD. Outside control limits due to matrix interference.

Metals By Method SW846 6010B

Matrix: AQ	Batch ID: MP52270

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA43480-3MS, JA43480-3MSD, JA43480-3SDL were used as the QC samples for metals.

Matrix: SO	Batch ID: MP52281

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44138-1MS, JA44138-1MSD, JA44138-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP52281-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Wet Chemistry By Method SM18 2540G

Matrix: SO	Batch ID: GN36494

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EP-19		
Lab Sample ID:	JA44205-1	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	93.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G128910.D	1	04/15/10	SJM	n/a	n/a	VG6109
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	2.4	ug/kg	
71-43-2	Benzene	ND	1.1	0.37	ug/kg	
108-86-1	Bromobenzene	ND	5.4	0.40	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.24	ug/kg	
75-27-4	Bromodichloromethane	ND	5.4	0.28	ug/kg	
75-25-2	Bromoform	ND	5.4	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.44	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.4	0.41	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.4	0.53	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.4	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.4	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	5.4	0.37	ug/kg	
75-00-3	Chloroethane	ND	5.4	1.1	ug/kg	
67-66-3	Chloroform	ND	5.4	0.35	ug/kg	
74-87-3	Chloromethane	ND	5.4	0.18	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.4	0.31	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.4	0.27	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	11	0.59	ug/kg	
124-48-1	Dibromochloromethane	ND	5.4	0.12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.4	0.29	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.4	0.30	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.4	0.37	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.4	0.15	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.37	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.4	0.72	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.4	0.26	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.4	0.49	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.4	0.14	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.4	0.12	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-19		
Lab Sample ID:	JA44205-1	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	93.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.4	0.62	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.4	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.4	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.4	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.40	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.4	0.46	ug/kg	
98-82-8	Isopropylbenzene	ND	5.4	0.56	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.4	0.47	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	0.88	ug/kg	
74-95-3	Methylene bromide	ND	5.4	0.19	ug/kg	
75-09-2	Methylene chloride	ND	5.4	0.24	ug/kg	
91-20-3	Naphthalene	ND	5.4	0.80	ug/kg	
103-65-1	n-Propylbenzene	ND	5.4	0.28	ug/kg	
100-42-5	Styrene	ND	5.4	0.12	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.4	0.32	ug/kg	
127-18-4	Tetrachloroethene	ND	5.4	0.16	ug/kg	
108-88-3	Toluene	ND	1.1	0.32	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.4	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.4	0.57	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.25	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.4	0.35	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.4	0.47	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.4	0.39	ug/kg	
75-01-4	Vinyl chloride	ND	5.4	0.19	ug/kg	
	m,p-Xylene	ND	2.2	0.51	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	2.2	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		67-127%
17060-07-0	1,2-Dichloroethane-D4	92%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	100%		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

Report of Analysis

Client Sample ID:	EP-19		
Lab Sample ID:	JA44205-1	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	93.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72846.D	1	04/16/10	LP	04/15/10	OP43126	EM2775
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	31	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	30	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	49	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	51	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	610	37	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	37	ug/kg	
95-48-7	2-Methylphenol	ND	61	35	ug/kg	
	3&4-Methylphenol	ND	61	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	32	ug/kg	
100-02-7	4-Nitrophenol	ND	300	51	ug/kg	
87-86-5	Pentachlorophenol	ND	300	52	ug/kg	
108-95-2	Phenol	ND	61	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	29	ug/kg	
83-32-9	Acenaphthene	244	30	8.8	ug/kg	
208-96-8	Acenaphthylene	20.7	30	9.7	ug/kg	J
98-86-2	Acetophenone	ND	150	5.3	ug/kg	
120-12-7	Anthracene	468	30	11	ug/kg	
1912-24-9	Atrazine	ND	150	6.0	ug/kg	
56-55-3	Benzo(a)anthracene	683	30	9.9	ug/kg	
50-32-8	Benzo(a)pyrene	606	30	9.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	484	30	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	320	30	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	506	30	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	61	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	61	18	ug/kg	
92-52-4	1,1'-Biphenyl	22.1	61	3.5	ug/kg	J
100-52-7	Benzaldehyde	ND	150	7.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	61	9.4	ug/kg	
106-47-8	4-Chloroaniline	ND	150	9.7	ug/kg	
86-74-8	Carbazole	200	61	14	ug/kg	
105-60-2	Caprolactam	ND	61	9.6	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-19		
Lab Sample ID:	JA44205-1	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	93.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	639	30	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	61	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	61	9.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	61	9.0	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	61	9.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	61	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	61	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	7.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	120	30	10	ug/kg	
132-64-9	Dibenzofuran	141	61	9.0	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	61	6.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	61	15	ug/kg	
84-66-2	Diethyl phthalate	ND	61	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	61	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	50.6	61	27	ug/kg	J
206-44-0	Fluoranthene	1650	30	13	ug/kg	
86-73-7	Fluorene	206	30	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	61	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	8.4	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	31	ug/kg	
67-72-1	Hexachloroethane	ND	150	8.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	322	30	11	ug/kg	
78-59-1	Isophorone	ND	61	8.2	ug/kg	
91-57-6	2-Methylnaphthalene	63.4	61	17	ug/kg	
88-74-4	2-Nitroaniline	ND	150	13	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	12	ug/kg	
91-20-3	Naphthalene	114	30	8.3	ug/kg	
98-95-3	Nitrobenzene	ND	61	8.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	61	7.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	18	ug/kg	
85-01-8	Phenanthrene	1870	30	14	ug/kg	
129-00-0	Pyrene	1640	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		30-109%
4165-62-2	Phenol-d5	61%		28-108%
118-79-6	2,4,6-Tribromophenol	91%		28-125%
4165-60-0	Nitrobenzene-d5	72%		28-113%

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

Report of Analysis

Client Sample ID:	EP-19		
Lab Sample ID:	JA44205-1	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	93.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	72%		38-107%
1718-51-0	Terphenyl-d14	76%		31-116%

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

Report of Analysis

Client Sample ID:	EP-19		
Lab Sample ID:	JA44205-1	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
		Percent Solids:	93.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	29.6	2.0	mg/kg	1	04/15/10	04/16/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24134
(2) Prep QC Batch: MP52281

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-20		
Lab Sample ID:	JA44205-2	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	91.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G128911.D	1	04/15/10	SJM	n/a	n/a	VG6109
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
108-86-1	Bromobenzene	ND	6.5	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	0.28	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.33	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.52	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	0.49	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	0.63	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	0.62	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	0.44	ug/kg	
75-00-3	Chloroethane	ND	6.5	1.3	ug/kg	
67-66-3	Chloroform	ND	6.5	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.21	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	0.37	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.70	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.5	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.5	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.5	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.86	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.5	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.58	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.17	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	0.14	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-20		
Lab Sample ID:	JA44205-2	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	91.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.5	0.74	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.5	0.55	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.67	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	0.56	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	1.1	ug/kg	
74-95-3	Methylene bromide	ND	6.5	0.23	ug/kg	
75-09-2	Methylene chloride	ND	6.5	0.29	ug/kg	
91-20-3	Naphthalene	ND	6.5	0.95	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	0.33	ug/kg	
100-42-5	Styrene	ND	6.5	0.14	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.5	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	6.5	0.19	ug/kg	
108-88-3	Toluene	ND	1.3	0.38	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.68	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	0.41	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.5	0.56	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	0.46	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.23	ug/kg	
	m,p-Xylene	ND	2.6	0.61	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.61	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.61	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	89%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EP-20		
Lab Sample ID:	JA44205-2	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72847.D	1	04/16/10	LP	04/15/10	OP43126	EM2775
Run #2	M72873.D	10	04/16/10	LP	04/15/10	OP43126	EM2776

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	31	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	31	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	50	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	52	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	620	38	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	620	38	ug/kg	
95-48-7	2-Methylphenol	ND	62	35	ug/kg	
	3&4-Methylphenol	ND	62	39	ug/kg	
88-75-5	2-Nitrophenol	ND	150	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	52	ug/kg	
87-86-5	Pentachlorophenol	ND	310	53	ug/kg	
108-95-2	Phenol	ND	62	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	29	ug/kg	
83-32-9	Acenaphthene	880	31	8.9	ug/kg	
208-96-8	Acenaphthylene	80.1	31	9.9	ug/kg	
98-86-2	Acetophenone	ND	150	5.4	ug/kg	
120-12-7	Anthracene	1690	31	11	ug/kg	
1912-24-9	Atrazine	ND	150	6.1	ug/kg	
56-55-3	Benzo(a)anthracene	3450 [a]	310	100	ug/kg	
50-32-8	Benzo(a)pyrene	3280 [a]	310	94	ug/kg	
205-99-2	Benzo(b)fluoranthene	2650 [a]	310	100	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1780	31	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	3130 [a]	310	120	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	62	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	62	18	ug/kg	
92-52-4	1,1'-Biphenyl	41.7	62	3.6	ug/kg	J
100-52-7	Benzaldehyde	ND	150	7.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	62	9.6	ug/kg	
106-47-8	4-Chloroaniline	ND	150	9.9	ug/kg	
86-74-8	Carbazole	711	62	14	ug/kg	
105-60-2	Caprolactam	ND	62	9.7	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-20		
Lab Sample ID:	JA44205-2	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	2870	31	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	62	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	62	9.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	62	9.2	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	62	9.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	62	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	62	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	7.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	751	31	11	ug/kg	
132-64-9	Dibenzofuran	391	62	9.2	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	62	6.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	62	15	ug/kg	
84-66-2	Diethyl phthalate	ND	62	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	62	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	62	27	ug/kg	
206-44-0	Fluoranthene	7420 [a]	310	140	ug/kg	
86-73-7	Fluorene	710	31	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	62	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	8.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	620	31	ug/kg	
67-72-1	Hexachloroethane	ND	150	8.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1820	31	11	ug/kg	
78-59-1	Isophorone	ND	62	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	116	62	17	ug/kg	
88-74-4	2-Nitroaniline	ND	150	14	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	12	ug/kg	
91-20-3	Naphthalene	290	31	8.4	ug/kg	
98-95-3	Nitrobenzene	ND	62	8.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	62	7.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	18	ug/kg	
85-01-8	Phenanthrene	6260 [a]	310	140	ug/kg	
129-00-0	Pyrene	6600 [a]	310	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%	65%	30-109%
4165-62-2	Phenol-d5	63%	69%	28-108%
118-79-6	2,4,6-Tribromophenol	92%	79%	28-125%
4165-60-0	Nitrobenzene-d5	72%	73%	28-113%

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

Report of Analysis

Client Sample ID:	EP-20		
Lab Sample ID:	JA44205-2	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	72%	76%	38-107%
1718-51-0	Terphenyl-d14	63%	84%	31-116%

(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

Report of Analysis

Client Sample ID:	EP-20		
Lab Sample ID:	JA44205-2	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
		Percent Solids:	91.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	106	2.1	mg/kg	1	04/15/10	04/16/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24134
(2) Prep QC Batch: MP52281

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-21		
Lab Sample ID:	JA44205-3	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	91.6
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G128912.D	1	04/15/10	SJM	n/a	n/a	VG6109
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.6	ug/kg	
71-43-2	Benzene	ND	1.2	0.40	ug/kg	
108-86-1	Bromobenzene	ND	5.9	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.26	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	0.30	ug/kg	
75-25-2	Bromoform	ND	5.9	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	5.9	0.45	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.9	0.58	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.9	0.56	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	0.40	ug/kg	
75-00-3	Chloroethane	ND	5.9	1.2	ug/kg	
67-66-3	Chloroform	ND	5.9	0.38	ug/kg	
74-87-3	Chloromethane	ND	5.9	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.9	0.34	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.9	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.9	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.9	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.9	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.9	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	0.15	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.9	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-21		
Lab Sample ID:	JA44205-3	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	91.6
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.9	0.68	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.9	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.9	0.50	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	0.61	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.9	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	0.96	ug/kg	
74-95-3	Methylene bromide	ND	5.9	0.21	ug/kg	
75-09-2	Methylene chloride	ND	5.9	0.26	ug/kg	
91-20-3	Naphthalene	ND	5.9	0.87	ug/kg	
103-65-1	n-Propylbenzene	ND	5.9	0.30	ug/kg	
100-42-5	Styrene	ND	5.9	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.9	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	5.9	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	0.22	ug/kg	
79-01-6	Trichloroethene	ND	5.9	0.62	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.27	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.9	0.38	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.9	0.51	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.9	0.42	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	0.21	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	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	92%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	99%		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

Report of Analysis

Client Sample ID:	EP-21		
Lab Sample ID:	JA44205-3	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.6
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72848.D	1	04/16/10	LP	04/15/10	OP43126	EM2775
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	31	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	31	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	50	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	52	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	620	38	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	620	38	ug/kg	
95-48-7	2-Methylphenol	ND	62	35	ug/kg	
	3&4-Methylphenol	ND	62	39	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	52	ug/kg	
87-86-5	Pentachlorophenol	ND	310	53	ug/kg	
108-95-2	Phenol	ND	62	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	29	ug/kg	
83-32-9	Acenaphthene	162	31	9.0	ug/kg	
208-96-8	Acenaphthylene	96.7	31	9.9	ug/kg	
98-86-2	Acetophenone	ND	160	5.5	ug/kg	
120-12-7	Anthracene	380	31	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.1	ug/kg	
56-55-3	Benzo(a)anthracene	982	31	10	ug/kg	
50-32-8	Benzo(a)pyrene	1000	31	9.5	ug/kg	
205-99-2	Benzo(b)fluoranthene	1050	31	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	579	31	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	585	31	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	62	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	62	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	62	3.6	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	62	9.6	ug/kg	
106-47-8	4-Chloroaniline	ND	160	9.9	ug/kg	
86-74-8	Carbazole	127	62	14	ug/kg	
105-60-2	Caprolactam	ND	62	9.8	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-21		
Lab Sample ID:	JA44205-3	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.6
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	1010	31	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	62	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	62	9.3	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	62	9.2	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	62	9.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	62	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	62	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	7.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	196	31	11	ug/kg	
132-64-9	Dibenzofuran	74.8	62	9.2	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	62	6.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	62	15	ug/kg	
84-66-2	Diethyl phthalate	ND	62	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	62	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	62	27	ug/kg	
206-44-0	Fluoranthene	2010	31	14	ug/kg	
86-73-7	Fluorene	139	31	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	62	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	8.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	620	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	559	31	11	ug/kg	
78-59-1	Isophorone	ND	62	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	28.2	62	17	ug/kg	J
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	12	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	50.6	31	8.5	ug/kg	
98-95-3	Nitrobenzene	ND	62	9.0	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	62	7.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	1290	31	14	ug/kg	
129-00-0	Pyrene	1870	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	60%		30-109%
4165-62-2	Phenol-d5	65%		28-108%
118-79-6	2,4,6-Tribromophenol	103%		28-125%
4165-60-0	Nitrobenzene-d5	74%		28-113%

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

Report of Analysis

Client Sample ID:	EP-21		
Lab Sample ID:	JA44205-3	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.6
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		38-107%
1718-51-0	Terphenyl-d14	73%		31-116%

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

Report of Analysis

Client Sample ID:	EP-21		
Lab Sample ID:	JA44205-3	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
		Percent Solids:	91.6
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	35.8	2.2	mg/kg	1	04/15/10	04/16/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24134
(2) Prep QC Batch: MP52281

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-22		
Lab Sample ID:	JA44205-4	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	94.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G128913.D	1	04/15/10	SJM	n/a	n/a	VG6109
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/kg	
71-43-2	Benzene	ND	1.0	0.36	ug/kg	
108-86-1	Bromobenzene	ND	5.2	0.38	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.27	ug/kg	
75-25-2	Bromoform	ND	5.2	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.1	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	0.40	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	0.51	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.35	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.0	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.17	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	0.30	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	0.25	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.56	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.14	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.2	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.2	0.29	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.2	0.35	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	0.98	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.2	0.25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.47	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.14	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	0.11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-22		
Lab Sample ID:	JA44205-4	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	94.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.2	0.60	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.10	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.39	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	0.44	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.54	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	0.45	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	0.84	ug/kg	
74-95-3	Methylene bromide	ND	5.2	0.18	ug/kg	
75-09-2	Methylene chloride	ND	5.2	0.23	ug/kg	
91-20-3	Naphthalene	ND	5.2	0.77	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	0.27	ug/kg	
100-42-5	Styrene	ND	5.2	0.11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.31	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.30	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	1.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.2	0.55	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.24	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	0.33	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	0.45	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	0.19	ug/kg	
	m,p-Xylene	ND	2.1	0.49	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	100%		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

Report of Analysis

Client Sample ID:	EP-22		
Lab Sample ID:	JA44205-4	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	94.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72849.D	1	04/16/10	LP	04/15/10	OP43126	EM2775
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	150	31	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	150	30	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	150	49	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	150	51	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	610	37	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	610	37	ug/kg	
95-48-7	2-Methylphenol	ND	61	35	ug/kg	
	3&4-Methylphenol	ND	61	38	ug/kg	
88-75-5	2-Nitrophenol	ND	150	32	ug/kg	
100-02-7	4-Nitrophenol	ND	300	51	ug/kg	
87-86-5	Pentachlorophenol	ND	300	52	ug/kg	
108-95-2	Phenol	ND	61	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	150	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	150	28	ug/kg	
83-32-9	Acenaphthene	131	30	8.8	ug/kg	
208-96-8	Acenaphthylene	34.7	30	9.7	ug/kg	
98-86-2	Acetophenone	ND	150	5.3	ug/kg	
120-12-7	Anthracene	266	30	11	ug/kg	
1912-24-9	Atrazine	ND	150	6.0	ug/kg	
56-55-3	Benzo(a)anthracene	443	30	9.9	ug/kg	
50-32-8	Benzo(a)pyrene	421	30	9.2	ug/kg	
205-99-2	Benzo(b)fluoranthene	386	30	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	233	30	11	ug/kg	
207-08-9	Benzo(k)fluoranthene	310	30	11	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	61	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	61	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	61	3.5	ug/kg	
100-52-7	Benzaldehyde	ND	150	7.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	61	9.4	ug/kg	
106-47-8	4-Chloroaniline	ND	150	9.7	ug/kg	
86-74-8	Carbazole	101	61	14	ug/kg	
105-60-2	Caprolactam	ND	61	9.5	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-22		
Lab Sample ID:	JA44205-4	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	94.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	420	30	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	61	12	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	61	9.1	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	61	9.0	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	61	9.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	61	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	61	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	150	7.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	93.4	30	10	ug/kg	
132-64-9	Dibenzofuran	73.0	61	9.0	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	61	6.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	61	15	ug/kg	
84-66-2	Diethyl phthalate	ND	61	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	61	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	61	27	ug/kg	
206-44-0	Fluoranthene	950	30	13	ug/kg	
86-73-7	Fluorene	119	30	9.9	ug/kg	
118-74-1	Hexachlorobenzene	ND	61	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	30	8.4	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	610	31	ug/kg	
67-72-1	Hexachloroethane	ND	150	8.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	230	30	11	ug/kg	
78-59-1	Isophorone	ND	61	8.1	ug/kg	
91-57-6	2-Methylnaphthalene	31.4	61	17	ug/kg	J
88-74-4	2-Nitroaniline	ND	150	13	ug/kg	
99-09-2	3-Nitroaniline	ND	150	12	ug/kg	
100-01-6	4-Nitroaniline	ND	150	12	ug/kg	
91-20-3	Naphthalene	59.1	30	8.3	ug/kg	
98-95-3	Nitrobenzene	ND	61	8.7	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	61	7.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	150	18	ug/kg	
85-01-8	Phenanthrene	978	30	14	ug/kg	
129-00-0	Pyrene	952	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%		30-109%
4165-62-2	Phenol-d5	67%		28-108%
118-79-6	2,4,6-Tribromophenol	98%		28-125%
4165-60-0	Nitrobenzene-d5	78%		28-113%

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

Report of Analysis

Client Sample ID:	EP-22		
Lab Sample ID:	JA44205-4	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	94.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	79%		38-107%
1718-51-0	Terphenyl-d14	81%		31-116%

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

Report of Analysis

Client Sample ID:	EP-22		
Lab Sample ID:	JA44205-4	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
		Percent Solids:	94.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	17.9	2.0	mg/kg	1	04/15/10	04/16/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24134
(2) Prep QC Batch: MP52281

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-23		
Lab Sample ID:	JA44205-5	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	91.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G128914.D	1	04/15/10	SJM	n/a	n/a	VG6109
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
108-86-1	Bromobenzene	ND	6.0	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.26	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.45	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	
56-23-5	Carbon tetrachloride	ND	6.0	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.40	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.2	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	0.34	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.0	0.28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.15	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-23		
Lab Sample ID:	JA44205-5	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	91.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.0	0.68	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	0.50	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
74-95-3	Methylene bromide	ND	6.0	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
91-20-3	Naphthalene	ND	6.0	0.88	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.30	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.27	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	0.38	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	0.51	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	0.43	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	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	98%		67-127%
17060-07-0	1,2-Dichloroethane-D4	91%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	EP-23		
Lab Sample ID:	JA44205-5	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M72850.D	1	04/16/10	LP	04/15/10	OP43126	EM2775
Run #2	M72874.D	10	04/16/10	LP	04/15/10	OP43126	EM2776

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	31	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	31	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	50	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	52	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	620	38	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	620	38	ug/kg	
95-48-7	2-Methylphenol	ND	62	35	ug/kg	
	3&4-Methylphenol	ND	62	40	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	53	ug/kg	
87-86-5	Pentachlorophenol	ND	310	53	ug/kg	
108-95-2	Phenol	ND	62	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	29	ug/kg	
83-32-9	Acenaphthene	1360	31	9.0	ug/kg	
208-96-8	Acenaphthylene	72.1	31	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.5	ug/kg	
120-12-7	Anthracene	2250	31	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.1	ug/kg	
56-55-3	Benzo(a)anthracene	4050 [a]	310	100	ug/kg	
50-32-8	Benzo(a)pyrene	3470 [a]	310	95	ug/kg	
205-99-2	Benzo(b)fluoranthene	3070	31	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1750	31	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	2610	31	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	62	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	62	18	ug/kg	
92-52-4	1,1'-Biphenyl	76.5	62	3.6	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	62	9.6	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	977	62	14	ug/kg	
105-60-2	Caprolactam	ND	62	9.8	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-23		
Lab Sample ID:	JA44205-5	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	3790 [a]	310	110	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	62	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	62	9.4	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	62	9.2	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	62	9.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	62	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	62	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	7.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	754	31	11	ug/kg	
132-64-9	Dibenzofuran	672	62	9.2	ug/kg	
84-74-2	Di-n-butyl phthalate	113	62	6.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	62	15	ug/kg	
84-66-2	Diethyl phthalate	ND	62	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	62	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	62	27	ug/kg	
206-44-0	Fluoranthene	8820 [a]	310	140	ug/kg	
86-73-7	Fluorene	1040	31	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	62	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	8.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	620	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1860	31	11	ug/kg	
78-59-1	Isophorone	ND	62	8.4	ug/kg	
91-57-6	2-Methylnaphthalene	219	62	17	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	12	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	613	31	8.5	ug/kg	
98-95-3	Nitrobenzene	ND	62	9.0	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	62	7.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	8590 [a]	310	140	ug/kg	
129-00-0	Pyrene	8640 [a]	310	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%	68%	30-109%
4165-62-2	Phenol-d5	67%	70%	28-108%
118-79-6	2,4,6-Tribromophenol	95%	81%	28-125%
4165-60-0	Nitrobenzene-d5	83%	87%	28-113%

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

Report of Analysis

Client Sample ID:	EP-23		
Lab Sample ID:	JA44205-5	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%	83%	38-107%
1718-51-0	Terphenyl-d14	68%	95%	31-116%

(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

Report of Analysis

Client Sample ID:	EP-23		
Lab Sample ID:	JA44205-5	**Date Sampled:**	04/13/10
Matrix:	SO - Soil	**Date Received:**	04/14/10
		Percent Solids:	91.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	149	2.2	mg/kg	1	04/15/10	04/16/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24134
(2) Prep QC Batch: MP52281

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK 4/13/10		
Lab Sample ID:	JA44205-6	**Date Sampled:**	04/13/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C76696.D	1	04/15/10	MAH	n/a	n/a	V1C3347
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/13/10		
Lab Sample ID:	JA44205-6	**Date Sampled:**	04/13/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/13/10		
Lab Sample ID:	JA44205-6	**Date Sampled:**	04/13/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E25902.D	1	04/16/10	OYA	04/15/10	OP43136	E3E1158
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
98-86-2	Acetophenone	ND	2.0	0.40	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
1912-24-9	Atrazine	ND	5.0	0.39	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.40	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.42	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
105-60-2	Caprolactam	ND	2.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK 4/13/10		
Lab Sample ID:	JA44205-6	**Date Sampled:**	04/13/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		13-68%
4165-62-2	Phenol-d5	23%		10-49%
118-79-6	2,4,6-Tribromophenol	87%		37-130%
4165-60-0	Nitrobenzene-d5	76%		25-112%

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/13/10		
Lab Sample ID:	JA44205-6	**Date Sampled:**	04/13/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	72%		31-106%
1718-51-0	Terphenyl-d14	96%		14-122%

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/13/10		
Lab Sample ID:	JA44205-6	**Date Sampled:**	04/13/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/14/10
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 3.0	3.0	ug/l	1	04/15/10	04/16/10	ND	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA24139
(2) Prep QC Batch: MP52270

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA44205-7	**Date Sampled:**	04/13/10
Matrix:	AQ - Trip Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C76697.D	1	04/15/10	MAH	n/a	n/a	V1C3347
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA44205-7	**Date Sampled:**	04/13/10
Matrix:	AQ - Trip Blank Soil	**Date Received:**	04/14/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	105%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

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

ACCUTEST

Sample Log-In Summary

JA44205
COC

Lab Name: ACCUTEST Page 1 of 1

Received by (Print Name): BOB LOFARO Log-in Date: 4-14-10

Received by (Signature):

Case Number: N/A
SDG Number:
SAS Number: N/A

REMARKS:

1. Custody Seal(s) Present/Absent* / Intact/Broken
2. Custody Seal Numbers: 982
3. Chain-of-Custody Records Present/Absent*
4. Contract Lab Sample Inform. Sheet (CLSIS) Present/Absent*
5. Airbill Airbill/Sticker Present/Absent*
6. Airbill No.: 7985 0420 7518
7. Sample Tags Present/Absent* / Sample Tag Nos. Listed/Not Listed on Chain-of-Custody
8. Sample Condition Intact/Broken*/ Leaking
9. Does Information on custody rec., CLSIS, & sample tags agree COC & LABELS AGREE. Yes/No*
10. Date received at Lab: 4-14-10
11. Time Received: 9.30
12. Do aqueous VOC vials have headspace? Yes/No*
13. Are preserved voc soil samples fully immersed in preservative? Yes/No* N/A

Sample Transfer

Fraction: See Internal
Area #:
By:
On: Chain of Custody

NYSDEC SAMPLE #	CORRESPONDING SAMPLE TAG #	CORRESPONDING ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
N/A		JA44205	-1
N/A			-2
N/A			-3
N/A			-4
N/A			-5
N/A			-6
N/A			-7
N/A			
N/A			
N/A		

FB STB

CHAIN OF CUSTODY

ACCUTEST Laboratories
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # 7915 6920 7518 | Bottle Order Control # TE-4/9/10-7
Accutest Quote # | Accutest Job # JA 44205

Client / Reporting Information

Company Name: CA Rich Consultants, Inc.
Street Address: 17 Dupont Street
City State Zip: Plainview NY 11803
Project Contact: Deborah Shapiro | E-mail:
Phone #: (516)576-8844 | Fax #:
Sampler(s) Name(s): Jessica Proscia | Phone #:

Project Information

Project Name: Via Verde
Street: 700-730 Brook Ave
City State: Bronx NY
Project #:
Client Purchase Order #:
Project Manager: Deborah Shapiro

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

VOC 8260
SVOC 8270
Lead

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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
1	EP-19		4/13/10	8:15am	JP	SO	3					3				UTC40
2	EP-20		4/13/10	8:20am	JP	SO	3					3				EX85
3	EP-21		4/13/10	8:23am	JP	SO	3					3				AME126
4	EP-22		4/13/10	8:29am	JP	SO	3					3				881
5	EP-23		4/13/10	8:35am	JP	SO	3					3				1901
6	FieldBlank 4/13/10		4/13/10	8:45am	JP	FB	5	2		1		2				ME25
7	Trip Blank		4/13/10		JP	TB	2	2								

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [x] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Labtink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] 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

TB filled 4/9/10 @ 0800 THS 4/14/10

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	Jessica M	4/13/10 4PM	Fed Ex	2 Fed Ex	4/14/10 0930	2
3			3	4		4
5			5			

Custody Seal # 982 [illegible] Intact / Not intact | Preserved where applicable | On Ice | Cooler Temp. 3.4°C

THS 4/14/10

New Jersey ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/30/10

Technical Report for

C. A. Rich Consultants

Via Verde, 700-730 Brook Avenue, Bronx, NY

Accutest Job Number: JA44538

Sampling Date: 04/16/10

Report to:

C. A. Rich Consultants

dshapiro@carichinc.com

ATTN: Deborah Shapiro

Total number of pages in report: **49**

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.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tony Esposito 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

C. A. Rich Consultants

Job No: JA44538

Via Verde, 700-730 Brook Avenue, Bronx, NY

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA44538-1	04/16/10	10:00	JP	04/17/10	SO	Soil	EP-29
JA44538-2	04/16/10	10:07	JP	04/17/10	SO	Soil	EP-30
JA44538-3	04/16/10	10:15	JP	04/17/10	SO	Soil	EP-31
JA44538-4	04/16/10	10:23	JP	04/17/10	SO	Soil	EP-32
JA44538-5	04/16/10	10:33	JP	04/17/10	SO	Soil	EP-33
JA44538-6	04/16/10	10:45	JP	04/17/10	AQ	Field Blank Soil	FIELD BLANK 4/16/10
JA44538-7	04/16/10	10:45	JP	04/17/10	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	C. A. Rich Consultants	**Job No**	JA44538
Site:	Via Verde, 700-730 Brook Avenue, Bronx, NY	**Report Date**	4/30/2010 6:09:18 PM

On 04/17/2010, 5 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 1.7 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA44538 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V1C3353

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA44537-1MS, JA44537-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** VA5771

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44538-2MS, JA44538-2MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** VG6113

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44538-1MS, JA44538-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,2,4-Trichlorobenzene, Naphthalene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,2,4-Trichlorobenzene, Naphthalene are outside control limits. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** VG6114

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44486-10MS, JA44486-11DUP were used as the QC samples indicated.

Matrix: SO **Batch ID:** VX4325

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44357-3MS, JA44357-3MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ **Batch ID:** OP43181

- All samples were extracted within the recommended method holding time.
- Sample(s) JA44355-1MS, JA44355-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO **Batch ID:** OP43185

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44538-5MS, JA44538-5MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,1'-Biphenyl, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Nitrophenol, 4,6-Dinitro-o-cresol, 4-Bromophenyl phenyl ether, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, Acenaphthylene, Acetophenone, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Di-n-butyl phthalate, Dimethyl phthalate, Hexachloroethane, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene, Pentachlorophenol, Phenol are outside control limits for sample OP43185-MSD. Outside of in house control limits.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP52325

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA43689-6FMSD, JA43689-6FSDL, JA43689-6FMS were used as the QC samples for metals.

Matrix: SO **Batch ID:** MP52338

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA44538-1MS, JA44538-1MSD, JA44538-1SDL were used as the QC samples for metals.

Wet Chemistry By Method SM18 2540G

Matrix: SO **Batch ID:** GN36596

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	EP-29		
Lab Sample ID:	JA44538-1	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	91.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G129007.D	1	04/20/10	SJM	n/a	n/a	VG6113
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
108-86-1	Bromobenzene	ND	6.0	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.26	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.48	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.3	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.45	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	
56-23-5	Carbon tetrachloride	ND	6.0	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	6.0	0.40	ug/kg	
75-00-3	Chloroethane	ND	6.0	1.2	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	0.34	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.32	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.40	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.79	ug/kg	
156-59-2	cis-1,2-Dichloroethene	2.3	6.0	0.28	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.15	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-29		
Lab Sample ID:	JA44538-1	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	91.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.0	0.68	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.11	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	0.50	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.62	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.0	0.51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.97	ug/kg	
74-95-3	Methylene bromide	ND	6.0	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
91-20-3	Naphthalene	ND	6.0	0.88	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.30	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.17	ug/kg	
108-88-3	Toluene	ND	1.2	0.35	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.27	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	0.38	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.0	0.51	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.0	0.43	ug/kg	
75-01-4	Vinyl chloride	ND	6.0	0.21	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	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	87%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	103%		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

Report of Analysis

Client Sample ID:	EP-29		
Lab Sample ID:	JA44538-1	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18713.D	1	04/20/10	KLS	04/19/10	OP43185	E3M802
Run #2							

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	31	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	50	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	630	38	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	630	38	ug/kg	
95-48-7	2-Methylphenol	ND	63	36	ug/kg	
	3&4-Methylphenol	ND	63	40	ug/kg	
88-75-5	2-Nitrophenol	ND	160	33	ug/kg	
100-02-7	4-Nitrophenol	ND	310	53	ug/kg	
87-86-5	Pentachlorophenol	ND	310	54	ug/kg	
108-95-2	Phenol	ND	63	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	29	ug/kg	
83-32-9	Acenaphthene	110	31	9.1	ug/kg	
208-96-8	Acenaphthylene	64.7	31	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.5	ug/kg	
120-12-7	Anthracene	294	31	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.2	ug/kg	
56-55-3	Benzo(a)anthracene	711	31	10	ug/kg	
50-32-8	Benzo(a)pyrene	650	31	9.6	ug/kg	
205-99-2	Benzo(b)fluoranthene	787	31	10	ug/kg	
191-24-2	Benzo(g,h,i)perylene	353	31	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	255	31	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	63	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	63	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	63	3.6	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.2	ug/kg	
91-58-7	2-Chloronaphthalene	ND	63	9.7	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	100	63	15	ug/kg	
105-60-2	Caprolactam	ND	63	9.9	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-29		
Lab Sample ID:	JA44538-1	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	750	31	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	63	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	63	9.4	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	63	9.3	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	63	9.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	95.7	31	11	ug/kg	
132-64-9	Dibenzofuran	53.6	63	9.3	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	63	7.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	63	15	ug/kg	
84-66-2	Diethyl phthalate	ND	63	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	63	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	63	28	ug/kg	
206-44-0	Fluoranthene	1940	31	14	ug/kg	
86-73-7	Fluorene	87.7	31	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	31	8.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	630	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	334	31	11	ug/kg	
78-59-1	Isophorone	ND	63	8.4	ug/kg	
91-57-6	2-Methylnaphthalene	33.9	63	17	ug/kg	J
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	47.5	31	8.6	ug/kg	
98-95-3	Nitrobenzene	ND	63	9.1	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	63	7.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	1090	31	14	ug/kg	
129-00-0	Pyrene	1330	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		30-109%
4165-62-2	Phenol-d5	48%		28-108%
118-79-6	2,4,6-Tribromophenol	59%		28-125%
4165-60-0	Nitrobenzene-d5	51%		28-113%

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

Report of Analysis

Client Sample ID:	EP-29		
Lab Sample ID:	JA44538-1	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	91.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	63%		38-107%
1718-51-0	Terphenyl-d14	66%		31-116%

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

Report of Analysis

Client Sample ID:	EP-29		
Lab Sample ID:	JA44538-1	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
		Percent Solids:	91.2
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	79.1	2.1	mg/kg	1	04/20/10	04/20/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24161
(2) Prep QC Batch: MP52338

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-30		
Lab Sample ID:	JA44538-2	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	89.8
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A158231.D	1	04/21/10	OTR	n/a	n/a	VA5771
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	3.0	ug/kg	
71-43-2	Benzene	ND	1.3	0.45	ug/kg	
108-86-1	Bromobenzene	ND	6.6	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	0.34	ug/kg	
75-25-2	Bromoform	ND	6.6	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.6	0.54	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
104-51-8	n-Butylbenzene	ND	6.6	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.6	0.65	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.6	0.63	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	0.74	ug/kg	
108-90-7	Chlorobenzene	0.70	6.6	0.45	ug/kg	J
75-00-3	Chloroethane	ND	6.6	1.3	ug/kg	
67-66-3	Chloroform	ND	6.6	0.42	ug/kg	
74-87-3	Chloromethane	ND	6.6	0.22	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.6	0.38	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.6	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.72	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	0.15	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.6	0.36	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.6	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.6	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.88	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.49	6.6	0.32	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	0.17	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.6	0.14	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-30		
Lab Sample ID:	JA44538-2	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	89.8
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.6	0.76	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.6	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.49	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.6	0.56	ug/kg	
98-82-8	Isopropylbenzene	ND	6.6	0.69	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.6	0.57	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.6	1.1	ug/kg	
74-95-3	Methylene bromide	ND	6.6	0.23	ug/kg	
75-09-2	Methylene chloride	ND	6.6	0.30	ug/kg	
91-20-3	Naphthalene	ND	6.6	0.98	ug/kg	
103-65-1	n-Propylbenzene	ND	6.6	0.34	ug/kg	
100-42-5	Styrene	ND	6.6	0.14	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.6	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	6.6	0.19	ug/kg	
108-88-3	Toluene	0.56	1.3	0.39	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	0.46	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.6	0.70	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.6	0.42	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	6.6	0.57	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	6.6	0.47	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.24	ug/kg	
	m,p-Xylene	1.1	2.7	0.62	ug/kg	J
95-47-6	o-Xylene	ND	1.3	0.62	ug/kg	
1330-20-7	Xylene (total)	1.4	2.7	0.62	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	86%		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

Report of Analysis

Client Sample ID:	EP-30		
Lab Sample ID:	JA44538-2	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	89.8
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18711.D	1	04/20/10	KLS	04/19/10	OP43185	E3M802
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	51	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	630	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	630	39	ug/kg	
95-48-7	2-Methylphenol	ND	63	36	ug/kg	
	3&4-Methylphenol	ND	63	40	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	53	ug/kg	
87-86-5	Pentachlorophenol	ND	320	54	ug/kg	
108-95-2	Phenol	ND	63	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.2	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.6	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.2	ug/kg	
56-55-3	Benzo(a)anthracene	22.0	32	10	ug/kg	J
50-32-8	Benzo(a)pyrene	21.1	32	9.6	ug/kg	J
205-99-2	Benzo(b)fluoranthene	21.0	32	11	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	24.6	32	12	ug/kg	J
207-08-9	Benzo(k)fluoranthene	17.5	32	12	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	63	11	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	63	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	63	3.7	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	63	9.8	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	63	15	ug/kg	
105-60-2	Caprolactam	ND	63	10	ug/kg	

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

Report of Analysis

Client Sample ID: EP-30
Lab Sample ID: JA44538-2 **Date Sampled:** 04/16/10
Matrix: SO - Soil **Date Received:** 04/17/10
Method: SW846 8270C SW846 3550B **Percent Solids:** 89.8
Project: Via Verde, 700-730 Brook Avenue, Bronx, NY

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	21.2	32	11	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	63	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	63	9.5	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	63	9.4	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	63	9.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	63	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	63	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	63	9.4	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	63	7.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	63	15	ug/kg	
84-66-2	Diethyl phthalate	ND	63	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	63	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	63	28	ug/kg	
206-44-0	Fluoranthene	48.4	32	14	ug/kg	
86-73-7	Fluorene	ND	32	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	63	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	630	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	18.1	32	11	ug/kg	J
78-59-1	Isophorone	ND	63	8.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	63	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	ND	32	8.6	ug/kg	
98-95-3	Nitrobenzene	ND	63	9.1	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	63	7.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	30.6	32	14	ug/kg	J
129-00-0	Pyrene	46.9	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		30-109%
4165-62-2	Phenol-d5	42%		28-108%
118-79-6	2,4,6-Tribromophenol	59%		28-125%
4165-60-0	Nitrobenzene-d5	43%		28-113%

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

Report of Analysis

Client Sample ID:	EP-30		
Lab Sample ID:	JA44538-2	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	89.8
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	52%		38-107%
1718-51-0	Terphenyl-d14	89%		31-116%

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

Report of Analysis

Client Sample ID:	EP-30		
Lab Sample ID:	JA44538-2	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
		Percent Solids:	89.8
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	44.5	2.2	mg/kg	1	04/20/10	04/20/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24161
(2) Prep QC Batch: MP52338

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-31		
Lab Sample ID:	JA44538-3	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	86.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A158232.D	1	04/21/10	OTR	n/a	n/a	VA5771
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.7	ug/kg	
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
108-86-1	Bromobenzene	ND	6.0	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	6.0	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	6.0	0.31	ug/kg	
75-25-2	Bromoform	ND	6.0	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.0	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
104-51-8	n-Butylbenzene	ND	6.0	0.46	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.0	0.59	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.0	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.0	0.67	ug/kg	
108-90-7	Chlorobenzene	0.71	6.0	0.41	ug/kg	J
75-00-3	Chloroethane	ND	6.0	1.2	ug/kg	
67-66-3	Chloroform	ND	6.0	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.0	0.20	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.0	0.35	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.0	0.29	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	6.0	0.13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.0	0.33	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.0	0.33	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.0	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.0	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.0	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.73	6.0	0.29	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.0	0.54	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.0	0.16	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.0	0.13	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-31		
Lab Sample ID:	JA44538-3	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	86.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.0	0.69	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.0	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.0	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.0	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.45	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.0	0.51	ug/kg	
98-82-8	Isopropylbenzene	ND	6.0	0.63	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	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.0	0.98	ug/kg	
74-95-3	Methylene bromide	ND	6.0	0.21	ug/kg	
75-09-2	Methylene chloride	ND	6.0	0.27	ug/kg	
91-20-3	Naphthalene	ND	6.0	0.89	ug/kg	
103-65-1	n-Propylbenzene	ND	6.0	0.31	ug/kg	
100-42-5	Styrene	ND	6.0	0.13	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.0	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.0	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.0	0.18	ug/kg	
108-88-3	Toluene	0.72	1.2	0.35	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	6.0	1.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.0	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.0	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.0	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.0	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.0	0.28	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.0	0.38	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	
75-01-4	Vinyl chloride	ND	6.0	0.21	ug/kg	
	m,p-Xylene	1.2	2.4	0.57	ug/kg	J
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	1.5	2.4	0.57	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	88%		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

Report of Analysis

Client Sample ID:	EP-31		
Lab Sample ID:	JA44538-3	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18710.D	1	04/20/10	KLS	04/19/10	OP43185	E3M802
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	53	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	40	ug/kg	
95-48-7	2-Methylphenol	ND	66	38	ug/kg	
	3&4-Methylphenol	ND	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	160	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	56	ug/kg	
108-95-2	Phenol	ND	66	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.5	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	160	5.8	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	160	6.5	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	66	3.8	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	11	ug/kg	
86-74-8	Carbazole	ND	66	15	ug/kg	
105-60-2	Caprolactam	ND	66	10	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-31		
Lab Sample ID:	JA44538-3	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	9.9	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.8	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	9.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	66	9.8	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	29	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.2	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	34	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.2	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	11	ug/kg	
78-59-1	Isophorone	ND	66	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	66	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	33	9.0	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.5	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	20	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		30-109%
4165-62-2	Phenol-d5	47%		28-108%
118-79-6	2,4,6-Tribromophenol	53%		28-125%
4165-60-0	Nitrobenzene-d5	54%		28-113%

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

Report of Analysis

Client Sample ID:	EP-31		
Lab Sample ID:	JA44538-3	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	86.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	62%		38-107%
1718-51-0	Terphenyl-d14	75%		31-116%

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

Report of Analysis

Client Sample ID:	EP-31		
Lab Sample ID:	JA44538-3	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
		Percent Solids:	86.3
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	57.9	2.2	mg/kg	1	04/20/10	04/20/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24161
(2) Prep QC Batch: MP52338

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-32		
Lab Sample ID:	JA44538-4	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X102522.D	1	04/21/10	JTP	n/a	n/a	VX4325
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
108-86-1	Bromobenzene	ND	6.5	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	0.29	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.34	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
104-51-8	n-Butylbenzene	ND	6.5	0.50	ug/kg	
135-98-8	sec-Butylbenzene	ND	6.5	0.64	ug/kg	
98-06-6	tert-Butylbenzene	ND	6.5	0.62	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	0.72	ug/kg	
108-90-7	Chlorobenzene	0.63	6.5	0.44	ug/kg	J
75-00-3	Chloroethane	ND	6.5	1.3	ug/kg	
67-66-3	Chloroform	ND	6.5	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.22	ug/kg	
95-49-8	o-Chlorotoluene	ND	6.5	0.37	ug/kg	
106-43-4	p-Chlorotoluene	ND	6.5	0.32	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.5	0.35	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.5	0.36	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.5	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.86	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.83	6.5	0.31	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.17	ug/kg	
142-28-9	1,3-Dichloropropane	ND	6.5	0.14	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-32		
Lab Sample ID:	JA44538-4	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	6.5	0.75	ug/kg	
563-58-6	1,1-Dichloropropene	ND	6.5	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.13	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
87-68-3	Hexachlorobutadiene	ND	6.5	0.55	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.68	ug/kg	
99-87-6	p-Isopropyltoluene	ND	6.5	0.56	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	1.1	ug/kg	
74-95-3	Methylene bromide	ND	6.5	0.23	ug/kg	
75-09-2	Methylene chloride	ND	6.5	0.29	ug/kg	
91-20-3	Naphthalene	ND	6.5	0.96	ug/kg	
103-65-1	n-Propylbenzene	ND	6.5	0.33	ug/kg	
100-42-5	Styrene	ND	6.5	0.14	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.5	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	6.5	0.19	ug/kg	
108-88-3	Toluene	0.48	1.3	0.38	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.45	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.69	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.30	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	6.5	0.41	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	0.64	6.5	0.56	ug/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	6.5	0.47	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.23	ug/kg	
	m,p-Xylene	1.1	2.6	0.61	ug/kg	J
95-47-6	o-Xylene	ND	1.3	0.61	ug/kg	
1330-20-7	Xylene (total)	1.4	2.6	0.61	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		67-127%
17060-07-0	1,2-Dichloroethane-D4	99%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	99%		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

Report of Analysis

Client Sample ID:	EP-32		
Lab Sample ID:	JA44538-4	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18712.D	1	04/20/10	KLS	04/19/10	OP43185	E3M802
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	33	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	53	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	55	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	650	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	650	40	ug/kg	
95-48-7	2-Methylphenol	ND	65	37	ug/kg	
	3&4-Methylphenol	ND	65	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	55	ug/kg	
87-86-5	Pentachlorophenol	ND	330	56	ug/kg	
108-95-2	Phenol	ND	65	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	31	ug/kg	
83-32-9	Acenaphthene	ND	33	9.5	ug/kg	
208-96-8	Acenaphthylene	ND	33	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.7	ug/kg	
120-12-7	Anthracene	ND	33	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	9.9	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	65	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	65	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	65	3.8	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	65	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	65	15	ug/kg	
105-60-2	Caprolactam	ND	65	10	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-32		
Lab Sample ID:	JA44538-4	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	33	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	65	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	65	9.8	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	65	9.7	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	65	9.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	65	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	65	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	65	9.7	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	65	7.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	65	16	ug/kg	
84-66-2	Diethyl phthalate	ND	65	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	65	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	65	29	ug/kg	
206-44-0	Fluoranthene	ND	33	14	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	65	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.1	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	650	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	9.1	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	11	ug/kg	
78-59-1	Isophorone	ND	65	8.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	65	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	33	8.9	ug/kg	
98-95-3	Nitrobenzene	ND	65	9.4	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	65	8.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	33	15	ug/kg	
129-00-0	Pyrene	ND	33	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		30-109%
4165-62-2	Phenol-d5	46%		28-108%
118-79-6	2,4,6-Tribromophenol	60%		28-125%
4165-60-0	Nitrobenzene-d5	51%		28-113%

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

Report of Analysis

Client Sample ID:	EP-32		
Lab Sample ID:	JA44538-4	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	62%		38-107%
1718-51-0	Terphenyl-d14	85%		31-116%

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

Report of Analysis

Client Sample ID:	EP-32		
Lab Sample ID:	JA44538-4	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
		Percent Solids:	87.1
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	15.6	2.4	mg/kg	1	04/20/10	04/20/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24161
(2) Prep QC Batch: MP52338

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EP-33		
Lab Sample ID:	JA44538-5	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G129041.D	1	04/21/10	SJM	n/a	n/a	VG6114
Run #2							

	Initial Weight
Run #1	5.5 g
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.3	ug/kg	
71-43-2	Benzene	ND	1.0	0.35	ug/kg	
108-86-1	Bromobenzene	ND	5.2	0.38	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.23	ug/kg	
75-27-4	Bromodichloromethane	ND	5.2	0.27	ug/kg	
75-25-2	Bromoform	ND	5.2	0.16	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.2	0.39	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.2	0.50	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.2	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.2	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	5.2	0.35	ug/kg	
75-00-3	Chloroethane	ND	5.2	1.0	ug/kg	
67-66-3	Chloroform	ND	5.2	0.33	ug/kg	
74-87-3	Chloromethane	ND	5.2	0.17	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.2	0.30	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.2	0.25	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.56	ug/kg	
124-48-1	Dibromochloromethane	ND	5.2	0.11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.14	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.2	0.28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.2	0.28	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.2	0.35	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	0.98	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.2	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.2	0.68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	1.7	5.2	0.25	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	5.2	0.46	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.2	0.13	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.2	0.11	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-33		
Lab Sample ID:	JA44538-5	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.2	0.59	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.2	0.15	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.2	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.2	0.099	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.2	0.44	ug/kg	
98-82-8	Isopropylbenzene	ND	5.2	0.54	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.2	0.44	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	0.84	ug/kg	
74-95-3	Methylene bromide	ND	5.2	0.18	ug/kg	
75-09-2	Methylene chloride	ND	5.2	0.23	ug/kg	
91-20-3	Naphthalene	ND	5.2	0.76	ug/kg	
103-65-1	n-Propylbenzene	ND	5.2	0.26	ug/kg	
100-42-5	Styrene	ND	5.2	0.11	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.2	0.30	ug/kg	
127-18-4	Tetrachloroethene	ND	5.2	0.15	ug/kg	
108-88-3	Toluene	ND	1.0	0.30	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	1.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.2	0.19	ug/kg	
79-01-6	Trichloroethene	ND	5.2	0.54	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.24	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.2	0.33	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.2	0.44	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.2	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	5.2	0.18	ug/kg	
	m,p-Xylene	ND	2.1	0.49	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	2.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	100%		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

Report of Analysis

Client Sample ID:	EP-33		
Lab Sample ID:	JA44538-5	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M18714.D	1	04/20/10	KLS	04/19/10	OP43185	E3M802
Run #2							

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	37	ug/kg	
	3&4-Methylphenol	ND	64	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	64	34	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.3	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.7	ug/kg	
120-12-7	Anthracene	14.6	32	11	ug/kg	J
1912-24-9	Atrazine	ND	160	6.3	ug/kg	
56-55-3	Benzo(a)anthracene	49.7	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	53.8	32	9.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	63.5	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	65.7	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	28.1	32	12	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	64	3.7	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	64	15	ug/kg	
105-60-2	Caprolactam	ND	64	10	ug/kg	

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

Report of Analysis

Client Sample ID:	EP-33		
Lab Sample ID:	JA44538-5	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	62.3	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.7	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	64	9.5	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	16	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	64	28	ug/kg	
206-44-0	Fluoranthene	90.6	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	640	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	45.2	32	11	ug/kg	
78-59-1	Isophorone	ND	64	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	16.5	32	8.8	ug/kg	J
98-95-3	Nitrobenzene	ND	64	9.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	50.5	32	15	ug/kg	
129-00-0	Pyrene	79.9	32	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		30-109%
4165-62-2	Phenol-d5	51%		28-108%
118-79-6	2,4,6-Tribromophenol	59%		28-125%
4165-60-0	Nitrobenzene-d5	57%		28-113%

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

Report of Analysis

Client Sample ID:	EP-33		
Lab Sample ID:	JA44538-5	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3550B	**Percent Solids:**	87.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		38-107%
1718-51-0	Terphenyl-d14	69%		31-116%

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

Report of Analysis

Client Sample ID:	EP-33		
Lab Sample ID:	JA44538-5	**Date Sampled:**	04/16/10
Matrix:	SO - Soil	**Date Received:**	04/17/10
		Percent Solids:	87.9
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	62.8	2.3	mg/kg	1	04/20/10	04/20/10	ND	SW846 6010B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA24161
(2) Prep QC Batch: MP52338

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK 4/16/10		
Lab Sample ID:	JA44538-6	**Date Sampled:**	04/16/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C76825.D	1	04/19/10	MAH	n/a	n/a	V1C3353
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/16/10		
Lab Sample ID:	JA44538-6	**Date Sampled:**	04/16/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	102%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	96%		72-122%

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/16/10		
Lab Sample ID:	JA44538-6	**Date Sampled:**	04/16/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E25952.D	1	04/20/10	OYA	04/19/10	OP43181	E3E1160
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.27	ug/l	
98-86-2	Acetophenone	ND	2.0	0.40	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
1912-24-9	Atrazine	ND	5.0	0.39	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.40	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.42	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	ND	1.0	0.17	ug/l	
105-60-2	Caprolactam	ND	2.0	0.20	ug/l	

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/16/10		
Lab Sample ID:	JA44538-6	**Date Sampled:**	04/16/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	ND	1.0	0.43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.21	ug/l	
129-00-0	Pyrene	ND	1.0	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		13-68%
4165-62-2	Phenol-d5	10%		10-49%
118-79-6	2,4,6-Tribromophenol	79%		37-130%
4165-60-0	Nitrobenzene-d5	91%		25-112%

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/16/10		
Lab Sample ID:	JA44538-6	**Date Sampled:**	04/16/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	86%		31-106%
1718-51-0	Terphenyl-d14	86%		14-122%

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

Report of Analysis

Client Sample ID:	FIELD BLANK 4/16/10		
Lab Sample ID:	JA44538-6	**Date Sampled:**	04/16/10
Matrix:	AQ - Field Blank Soil	**Date Received:**	04/17/10
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Lead	< 3.0	3.0	ug/l	1	04/19/10	04/20/10	ND	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA24161
(2) Prep QC Batch: MP52325

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA44538-7	**Date Sampled:**	04/16/10
Matrix:	AQ - Trip Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C76826.D	1	04/19/10	MAH	n/a	n/a	V1C3353
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.33	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.47	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.22	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.21	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.31	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.39	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.26	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.25	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.28	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.92	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.25	ug/l	

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JA44538-7	**Date Sampled:**	04/16/10
Matrix:	AQ - Trip Blank Soil	**Date Received:**	04/17/10
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.60	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.67	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.57	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.69	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.24	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	0.97	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.22	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.47	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.56	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.54	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.49	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	0.28	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	0.30	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
	m,p-Xylene	ND	1.0	0.25	ug/l	
95-47-6	o-Xylene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	95%		72-122%

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

50 FB TB

FED-EX Tracking # 8705 2364 2760 | Bottle Order Control # | Accutest Quote # | Accutest Job # JA44538

Client / Reporting Information

Company Name: CaRich Consultants, Inc
Street Address: 17 DuPont Street
City State Zip: Plainview NY 11803
Project Contact: Deborah Shapiro | E-mail
Phone #: 516) 576-8844 | Fax #
Sampler(s) Name(s): Jessica Proscia | Phone #

Project Information

Project Name: Via Verde
Street: 700-730 Brook Ave
City State: Bronx NY
Project #: Via/Bronx/endPoints
Client Purchase Order #
Project Manager: Deborah Shapiro

Billing Information (If different from Report to)

Company Name
Street Address
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet)

VOCs 8260 | SVOCs 8270 | Lead

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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
	EP-29		4/16/10	10am	JP	SO	3					3				-1
	EP-30		4/16/10	10:07	JP	SO	3					3				-2
	EP-31		4/16/10	10:15	JP	SO	3					3				-3
	EP-32		4/16/10	10:23	JP	SO	3					3				-4
	EP-33		4/16/10	10:33	JP	SO	3					3				-5
	FieldBlank4/16/10		4/16/10	10:45	JP	FB	5	2	2	1		2				-6
	Trip Blank		4/16/10	—		TB	2	2								-7

UTC18, 19H1, 0/0 50, EY87, AMET 24, 2018, 2020

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [x] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [x] NYASP Category A
- [x] 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

• TB FW 4-15-10 @ 800
4-17-10 4pm

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	Jessica Proscia	4/16/10 4pm	FEDEX	FEDEX	4-17-10 10AM	
2						
3						
4						
5						

Custody Seal # 950 — [x] Intact [ ] Not intact — Preserved where applicable: BM — On Ice: [x] — Cooler Temp. 1.7°C

1B

ACCUTEST

Sample Log-In Summary

JA44538 COC

Lab Name: ACCUTEST Page 1 of 1

Received by (Print Name): M CATENA

Received by (Signature): Mcatena

Log-in Date: 4/17/10

Case Number: N/A
SDG Number:
SAS Number: N/A

REMARKS:

1. Custody Seal(s) Present/Absent* Intact/Broken
2. Custody Seal Numbers: 950
3. Chain-of-Custody Records Present/Absent*
4. Contract Lab Sample Inform. Sheet (CLSIS) Present/Absent* N/A
5. Airbill Airbill/Sticker Present/Absent*
6. Airbill No.: 8705 2364 2760
7. Sample Tags Present/Absent* N/A
   Sample Tag Nos. Listed/Not Listed on Chain-of-Custody N/A
8. Sample Condition Intact/Broken*/ Leaking
9. Does Information on custody rec., CLSIS, & sample tags agree COC + LABELS AGREE Yes/No*
10. Date received at Lab: 4/17/10
11. Time Received: 1000
12. Do aqueous VOC vials have headspace? Yes/No*
13. Are preserved voc vial samples fully immersed in preservative? Yes/No* N/A

Sample Transfer

Action:
Area #:
:
:

See Internal Chain of Custody

	CORRESPONDING		
NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
N/A		JA44538-	1 OK
N/A		-	2
N/A		-	3
N/A		-	4
N/A		-	5
N/A		-	6 FB
N/A		-	7 TB
N/A			
N/A			
N/A		

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA44538 **Client:** CARICH-NY **Immediate Client Services Action Required:** No

Date / Time Received: 4/17/2010 1000 **Delivery Method:** FedEx **Client Service Action Required at Login:** Yes

Project: VIAVERDE **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 Preservation	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

-6 2 OF 2 VO W/MACRO

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA44538: Chain of Custody
Page 3 of 4

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA44538

CSR: **Response Date**

Response:

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

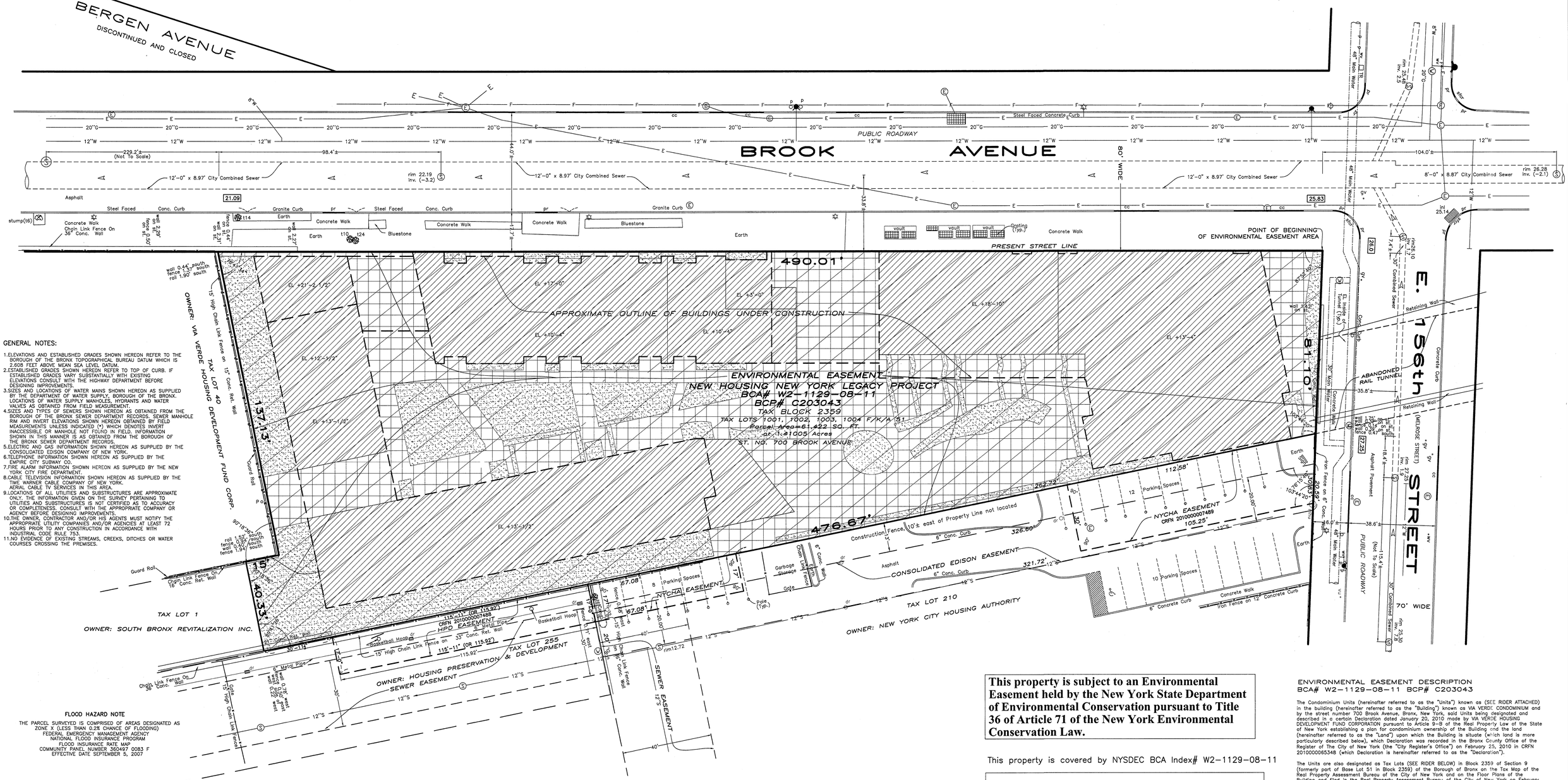
JA44538: Chain of Custody
Page 4 of 4

TITLE NO. 3211-00050

SURVEY NO. 62510-27

62510-27.DWG
62510001.CRD

ALTA/ACSM LAND TITLE SURVEY



GENERAL NOTES:

1. ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO THE BOROUGH OF THE BRONX TOPOGRAPHICAL BUREAU DATUM WHICH IS 2.608 FEET ABOVE MEAN SEA LEVEL DATUM.
2. ESTABLISHED GRADES SHOWN HEREON REFER TO TOP OF CURB. IF ESTABLISHED GRADES VARY SUBSTANTIALLY WITH EXISTING ELEVATIONS CONSULT WITH THE HIGHWAY DEPARTMENT BEFORE DESIGNING IMPROVEMENTS.
3. SIZES AND LOCATIONS OF WATER MAINS SHOWN HEREON AS SUPPLIED BY THE DEPARTMENT OF WATER SUPPLY, BOROUGH OF THE BRONX. LOCATIONS OF WATER SUPPLY MANHOLES, HYDRANTS AND WATER VALVES AS OBTAINED FROM FIELD MEASUREMENT.
4. SIZES AND TYPES OF SEWERS SHOWN HEREON AS OBTAINED FROM THE BOROUGH OF THE BRONX SEWER DEPARTMENT RECORDS. SEWER MANHOLE RIM AND INVERT ELEVATIONS SHOWN HEREON OBTAINED BY FIELD MEASUREMENTS UNLESS INDICATED (*) WHICH DENOTES INVERT INACCESSIBLE OR MANHOLE NOT FOUND IN FIELD. INFORMATION SHOWN IN THIS MANNER IS AS OBTAINED FROM THE BOROUGH OF THE BRONX SEWER DEPARTMENT RECORDS.
5. ELECTRIC AND GAS INFORMATION SHOWN HEREON AS SUPPLIED BY THE CONSOLIDATED EDISON COMPANY OF NEW YORK.
6. TELEPHONE INFORMATION SHOWN HEREON AS SUPPLIED BY THE EMPIRE CITY SUBWAY CO.
7. FIRE ALARM INFORMATION SHOWN HEREON AS SUPPLIED BY THE NEW YORK CITY FIRE DEPARTMENT.
8. CABLE TELEVISION INFORMATION SHOWN HEREON AS SUPPLIED BY THE TIME WARNER CABLE COMPANY OF NEW YORK. AERIAL CABLE TV SERVICES IN THIS AREA.
9. LOCATIONS OF ALL UTILITIES AND SUBSTRUCTURES ARE APPROXIMATE ONLY. THE INFORMATION GIVEN ON THE SURVEY PERTAINING TO UTILITIES AND SUBSTRUCTURES IS NOT CERTIFIED AS TO ACCURACY OR COMPLETENESS. CONSULT WITH THE APPROPRIATE COMPANY OR AGENCY BEFORE DESIGNING IMPROVEMENTS.
10. THE OWNER, CONTRACTOR AND/OR HIS AGENTS MUST NOTIFY THE APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION IN ACCORDANCE WITH INDUSTRIAL CODE RULE 753.
11. NO EVIDENCE OF EXISTING STREAMS, CREEKS, DITCHES OR WATER COURSES CROSSING THE PREMISES.

FLOOD HAZARD NOTE

THE PARCEL SURVEYED IS COMPRISED OF AREAS DESIGNATED AS ZONE X (LESS THAN 0.2% CHANCE OF FLOODING)
FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP
COMMUNITY PANEL NUMBER 360497 0083 F
EFFECTIVE DATE SEPTEMBER 5, 2007

LEGEND

ASPH.....ASPHALT
BK.....BRICK
BSMT.....BASEMENT
CC.....CURB CUT
CCR.....CONCRETE CURB ROUND
CD.....CELLAR DOOR
CLF.....CHAIN LINK FENCE
CO.....CATCH BASIN CLEAN OUT
CONC.....CONCRETE
CRF.....CHAIN ROPE FENCE
CWA.....CELLAR WINDOW AREA
DR.....DRAIN
EL.....ELEVATION
FAB.....FIRE ALARM BOX
FC.....FILL CAP
FL EL.....FLOOR ELEVATION
GP.....GUARD POLE
GV.....GAS VALVE
IF.....IRON FENCE
INL.....CATCH BASIN INLET ELEVATION
INV.....SEWER INVERT ELEVATION
.....LIGHT POLE
MB.....MAIL BOX
MHU.....UNKNOWN MANHOLE
OF.....OIL FILL
OHW.....OVERHEAD WIRES
P.....POLE
PAVT.....PAVEMENT
PM.....PARKING METER
PMULT.....POLE, MULTIPLE USAGE

PR.....PEDESTRIAN RAMP
RET.....RETAINING
RIM.....RIM ELEVATION SEWER MANHOLE
SFCR....STEEL FACED CURB ROUND
STY.....STORY
TB.....TOP OF BANK ELEVATION
.....TRAFFIC LIGHT
TEL.....TELEPHONE
TP.....TREE PIT
.....TRAFFIC SIGN
TW.....ELEVATION AT TOP OF WALL
UP.....UTILITY POLE
VU.....VALVE UNKNOWN
VLTU.....VAULT UNKNOWN
VP.....VENT PIPE
WV.....WATER VALVE
12"G.....GAS MAIN WITH SIZE
12"S.....SEWER MAIN WITH SIZE
12"W.....WATER MAIN WITH SIZE
.....CATCH BASIN
.....ELECTRIC MANHOLE / VAULT
.....FIRE MANHOLE
.....GAS MANHOLE
.....SEWER MANHOLE
.....TELEPHONE MANHOLE
.....WATER MANHOLE
.....TRAFFIC VAULT
.....HYDRANT
.....TREE WITH SIZE
17.0 ....ESTABLISHED/LEGAL GRADE
.....HANDICAP

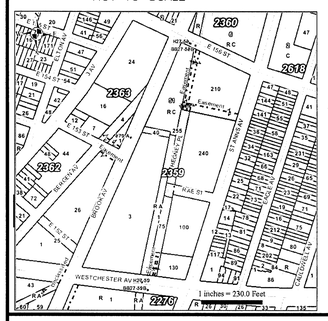
BUILDING FOUNDATION WITH ELEVATION OF VAPOR BARRIER BELOW

LANDSCAPED/NON-CAPPED AREA CONTAINING 2-FOOT CLEAN FILL BUFFER

VARIOUS IMPERMEABLE SURFACES

VICINITY MAP

NOT TO SCALE



ENVIRONMENTAL EASEMENT AREA ACCESS

THE DEC OR THEIR AGENT MAY ACCESS THE ENVIRONMENTAL EASEMENT AREA AS SHOWN HEREON THROUGH ANY EXISTING STREET ACCESS OR BUILDING INGRESS/EGRESS ACCESS POINT.

ENGINEERING / INSTITUTIONAL CONTROLS

- **Composite Cover System** - comprised of (i) a two-foot clean fill buffer in all landscaped/non-capped areas. The two-foot thick cover consists of clean soil underlain by an indicator such as orange plastic snow fence demarcating the cover soil from residual soil. (ii) Non-vegetated areas (concrete building foundations, sidewalks/pathways and asphalt roadways) covered by a paving system or concrete as least 6 " thick.
- **Vapor Barrier** - installed underneath the entire building foundation as additional protection.
- **In-Situ Chemical Oxidation/Monitored Natural Attenuation** - in former service station (northwest corner of site)
- **Sub-Slab Depressurization System (SSDS)** - Procedures for operating, maintaining and monitoring the SSDS are included in the Site Management Plan.
- **Groundwater Restriction** - The use of groundwater underlying the property is prohibited without treatment rendering it safe for intended use.
- **Vegetable Gardens and Farming** - on the property are prohibited (this does not include raised bed gardens or green roofs)
- **Land Use** - The use and development of the site is limited to restricted residential and commercial uses only.

ENGINEERING CONTROLS AS PER CA RICH CONSULTANTS, INC.
AS BUILT OF COMPOSITE COVER SYSTEM DRAWING DATED 9-1-11

SCHEDULE B ITEMS

CHICAGO TITLE INSURANCE COMPANY TITLE COMMITMENT NO. 3211-00050, DATED JUNE 23, 2011.

5. Declaration of Zoning Lot Restrictions made by VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION and THE CITY OF NEW YORK, acting by and through its Department of Housing Preservation and Development dated as of 12/30/09, recorded 1/8/10 in CRFN 2010000007485. (Not plottable)

(EXHIBIT B)

6. Zoning Lot Development Agreement made by and among THE CITY OF NEW YORK, acting by and through its Department of Housing Preservation and Development, and VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION dated as of 12/30/09, recorded 1/8/10 in CRFN 2010000007486. (Not plottable)

(EXHIBIT C)

7. Light and Air Easement Agreement made between THE CITY OF NEW YORK, acting by and through its Department of Housing Preservation and Development, and VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION dated as of 12/30/09, recorded 1/8/10 in CRFN 201 0000007488. (Plotted)

(EXHIBIT D)

8. Light and Air Easement Agreement made between THE NEW YORK CITY HOUSING AUTHORITY and VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION dated 12/30/09, recorded 1/8/10 in CRFN 2010000007489. (Plotted)

(EXHIBIT E)

9. Reciprocal Easement Agreement made by and between VIA VERDE RENTAL ASSOCIATES, LP, VIA VERDE HOMES LLC, VIA VERDE HOUSING DEVELOPMENT FUND CORP., and VIA VERDE HOMES HOUSING DEVELOPMENT FUND CORPORATION dated as of 3/4/10, recorded 3/30/10 in CRFN 2010000107094. (Affects Lots 1001, 1002, 1003 and 1004) (Not plottable)

(EXHIBIT F)

10. Terms, Covenants and Conditions, including right of reverter, set forth in Deed made by THE CITY OF NEW YORK, acting by and through its Department of Housing Preservation and Development to VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION dated as of 12/30/09, recorded 1/8/10 in CRFN 2010000007479. (Not plottable)

(SEE EXHIBIT A)

17. Terms, provisions, covenants, restrictions, conditions and options contained in and rights and easements established by the Declaration or Condominium and By-Laws dated 1/20/10, recorded in CRFN 2010000065348 on 2/25/10, but Policy Insures against loss or damage occasioned by the premises not being part of a condominium validly created pursuant to Article 9-B of the Real Property Law, as amended. (Not plottable)

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the New York Environmental Conservation Law.

This property is covered by NYSDEC BCA Index# W2-1129-08-11

THE ENGINEERING AND INSTITUTIONAL CONTROLS for the Easement are set forth in more detail in the Site Management Plan ("SMP"). A copy of the SMP must be obtained by any party with an interest in the property. The SMP may be obtained from the New York State Department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, NY 12233 or at derweb@gw.dec.state.ny.us.

ENVIRONMENTAL EASEMENT BOUNDARY

SURVEYOR'S CERTIFICATE

To : The People of the State of New York acting through its Commissioner of the Department of Environmental Conservation, Chicago Title Insurance Company, and Via Verde Housing Development Fund Corporation;

This is to certify that this map or plat and the survey on which is it based were made in accordance with the 2011 Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 2, 3, 4, 7(a), 8, 9, 10(a), 11(a), 13, 14, 16, 17-20(a) and 21 of Table A thereof. The field work was completed on 5-11-2011.

Date: 11/23/2011

David Jallivano L.S., C.S.
License No. 050236

ENVIRONMENTAL EASEMENT DESCRIPTION
BCA# W2-1129-08-11 BCP# C203043

The Condominium Units (hereinafter referred to as the "Units") known as (SEE RIDER ATTACHED) in the building (hereinafter referred to as the "Building") known as VIA VERDE CONDOMINIUM and by the street number 700 Brook Avenue, Bronx, New York, said Units being designated and described in a certain Declaration dated January 20, 2010 made by VIA VERDE HOUSING DEVELOPMENT FUND CORPORATION pursuant to Article 9-B of the Real Property Law of the State of New York establishing a plan for condominium ownership of the Building and the land (hereinafter referred to as the "Land") upon which the Building is situate (which land is more particularly described below), which Declaration was recorded in the Bronx County Office of the Register of The City of New York (the "City Register's Office") on February 25, 2010 in CRFN 2010000065348 (which Declaration is hereinafter referred to as the "Declaration").

The Units are also designated as Tax Lots (SEE RIDER BELOW) in Block 2359 of Section 9 (formerly part of Base Lot 51 in Block 2359) of the Borough of Bronx on the Tax Map of the Real Property Assessment Bureau of the City of New York and on the Floor Plans of the Building and filed in the Real Property Assessment Bureau of the City of New York on February 24, 2010 as Condominium Plan No. 127 and also filed in the City Register's Office on February 25, 2010 as Condominium Map CRFN 2010000065347.

TOGETHER WITH an undivided (SEE RIDER BELOW) interest the Common Elements (as such term is defined in the Declaration).

The land upon which the Building containing the Units is situate is bounded and described as follows:

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough and County of the BRONX, City and State of NEW YORK, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the southerly side of EAST 156TH STREET (70 feet wide) with the easterly side of BROOK AVENUE (80 feet wide);

running thence easterly along the southerly side of EAST 156TH STREET, 81.10 feet to a point;

running thence southerly along a line forming an angle of 103 degrees 44 minutes 20 seconds on the Southwest, with the southerly side of EAST 156TH STREET, 476.67 feet to a point;

running thence westerly along a line forming an angle of 89 degrees 41 minutes 26 seconds on the Northwest, with the last mentioned course, 40.33 feet to a point;

running thence northerly along a line forming an angle of 90 degrees 18 minutes 36 seconds on the Northeast with the last mentioned course, 15.00 feet to a point;

running thence westerly along a line forming an angle of 90 degrees 18 minutes 36 seconds on the Southwest with the last mentioned course, 137.13 feet to the easterly side of BROOK AVENUE; and
running thence northerly along the easterly side of BROOK AVENUE, 490.01 feet to the corner, the point or place of BEGINNING.

RIDER TO SCHEDULE A

UNIT	TAX LOT	PERCENTAGE OF COMMON ELEMENTS
COOP UNIT	1001	34.11%
RENTAL UNIT	1002	61.99%
COMMUNITY FACILITY UNIT	1003	2.34%
COMMERCIAL UNIT	1004	1.56%

Intended to be the same parcel conveyed in Deed dated March 4, 2010, recorded on March 18, 2010 in CRFN 2010000093476; Deed dated December 30, 2009, recorded on January 8, 2010 in CRFN 2010000007479; Deed dated December 30, 2009, recorded on January 8, 2010 in CRFN 2010000007480; Deed dated December 30, 2009, recorded on January 8, 2010 in CRFN 2010000007481; Declaration and Nominee Agreement dated March 4, 2010, recorded on March 18, 2010 in CRFN 2010000093477 and Condominium Declaration dated January 20, 2010, recorded on February 25, 2010 in CRFN 2010000065348.

NOTES:

1. BELOW GRADE ENCROACHMENTS AND VAULTS IF ANY NOT LOCATED.
2. THERE ARE NO PARKING SPACES ON THE PREMISES.
3. THE PREMISES IS SERVED BY GAS, WATER, ELECTRICITY, TELEPHONE AND SANITARY SEWER LINES INSTALLED IN STREET.
4. PROFESSIONAL LIABILITY INSURANCE POLICY OBTAINED BY THE SURVEYOR IN THE MINIMUM AMOUNT OF $ 2,000,000.00 TO BE IN EFFECT THROUGHOUT THE CONTRACT TERM. CERTIFICATE OF INSURANCE TO BE FURNISHED UPON REQUEST.

DRAWN: SJ

20 0 20 40 60
GRAPHIC SCALE - FEET

0 2.4 4.8 7.2 9.6M
1 CM = 2.4 M

REV	DATE	DESCRIPTION	ck

REV	DATE	DESCRIPTION	ck
	5-11-11	ALTA-ACSM LAND TITLE SURVEY	
A	11-22-11	SURVEY AMENDED	

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S INKED SEAL OR HIS EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES

CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS

ESTABLISHED 1876 • SUCCESSOR TO:
B.G. MEINIKHEIM C.S.*C.U. POWELL C.E.,C.S.*L.C.L. SMITH C.S.*NATHAN CAMPBELL C.E.,C.S.*A.U. WHITSON C.E.,C.S.*
WILLIAM L. SAVACOOL C.E.,L.S.,C.S.*A.U. WHITSON INC. C.E.,C.S.*G. WEBER L.S.,C.S.*C. STODOLPH R.A.,L.S.*WHITSON &
POWELL INC. P.E.,L.S.,C.S.*KELLER & POWELL P.E.,L.S.,C.S.*LOUIS MONTROSE C.E.,L.S.,C.S.*FRED J. POWELL P.E.,L.S.,C.S.*

MONTROSE
SURVEYING CO., LLP.
CITY & LAND SURVEYORS
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CITY OF NEW YORK
COUNTY THE BRONX
TAX BLOCK 2359
TAX LOTS 1001, 1002, 1003 & 1004 F/K/A LOT 51
SCALE: 1" = 20'