45 INDIA STREET
TAX BLOCK 2531, LOT 35
BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 13CVCP098K

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January 2013

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LIST OF ACRONYMS

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

CERTIFICATION

I, Paul McGaha, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 45 India Street, Brooklyn, NY Site, (NYC VCP Site No. 13CVCP098K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 45 India Street (Block 2531, Lot 35) on the city block between Huron Street, Franklin Street, India Street and West Street in the Greenpoint section of the borough of Brooklyn, New York. A Site Location Map is provided in Figure 1. The Site consists of vacant, unpaved land encompassing an approximate area of 5,000 square feet and is bound by multi-story residential buildings to the north, east and west, and India Street, followed by a multi-family residential building to the south. Beyond the adjoining properties, the Site is located in a predominantly industrial area. A map of the Site boundary is shown on Figure 2.

The Site is a vacant lot with approximately 50 feet of frontage along India Street. Based on our review of published topographic data (United States Geological Survey [USGS] Brooklyn Quadrangle Topographic Map, 1995), the topographic slope is in a westerly direction towards the East River, which is located approximately 850 feet west of the Site. The Site is topographically lower with respect to adjacent and surrounding properties to the east.

Summary of Proposed Redevelopment Plan

The planned development consists of a 3,000 square foot 4-story residential building with Seven (7) Condominiums and a single cellar spanning about half of the Site. The balance of the Site will consist of a concrete patio and yard space. The depth of the cellar will extend approximately 10 feet below the existing Site grade. The cellar will be used for Storage, Elevator Mechanical Room, a Gym/Fitness Center, Gas Meter Room, Telecom, and Electric Meter Room. The foundation will be supported on footings. The foundation will be supported on footings.

Summary of Past Uses of Site and Areas of Concern

The Site was developed with a residential building by 1887 and has had various uses since then, including a materials storage warehouse (1905), day nursery (1916), and a vacant lot (1978 – 1982).

The AOC identified for this site includes:

- Historic fill layer present at the Site from grade to a depth of approximately 5 feet below grade

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings from which 15 soil samples were collected for chemical analysis to evaluate soil quality;
3. Installed 3 permanent groundwater monitoring wells throughout the Site to establish groundwater flow direction and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 5 soil vapor probes and collected 5 vapor samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the Site is about 20 feet.
2. Depth to groundwater ranges from approximately 7.11 to 7.75 feet below grade surface (ft bgs).
3. Groundwater flow is generally from east to west, towards the East River.
4. Bedrock was not encountered in any of the borings performed at the Site.
5. The stratigraphy of the Site, from the surface down, consists of approximately 5 to 6 feet of historic fill containing varying amounts of silt, sand, brick and wood fragments, and other miscellaneous debris, underlain by glacial alluvium.

6. Soil/fill samples collected during the RI showed no detectable levels of VOCs and thus TCE, PCE, TCE and carbon tetrachloride were not detected in soil samples. SVOCs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and phenol were detected in shallow and deep samples exceeding the Track 2 Restricted-Residential SCOs. Pesticides (4,4'-DDD, 4,4'-DDE, and 4,4'-DDT) and dieldrin were detected in shallow and deep samples exceeding the Track 1 Unrestricted Use SCOs but were below the Track 2 Restricted-Residential SCOs. PCB's were not detected in soil samples. Metals, including barium, lead, mercury, selenium, and zinc, were detected in shallow and deep samples above the Track 1 Unrestricted Use SCOs and of these, lead and mercury also exceeded the Track 2 Restricted-Residential SCO.

7. Groundwater samples collected during the RI showed that VOCs, PCBs, and pesticides were not detected in groundwater samples and thus Tetrachloroethylene (PCE), TCA, TCE and carbon tetrachloride were not detected in groundwater samples. One SVOC (bis(2-ethylhexyl)phthalate) was detected at concentrations slightly exceeding the GQS of 5.0 ug/L with a concentration of 5.2 ug/L. This SVOC is a common phthalate plasticizer, and is used in the production of PVC and other plastics. Therefore, these marginal detections of bis(2-ethylexyl)phthalate may be attributable to the well construction (PVC) or the sampling equipment.

8. Soil vapor samples collected during the RI indicated that there were low detections of petroleum-related VOCs and were generally below 10 ug/m^3 for individual compounds. PCE was detected in all of the samples, with a maximum concentration of 16 ug/m^3. TCA and TCE were not detected in soil vapor samples. Carbon tetrachloride (maximum 0.75 ug/m^3), was detected at extremely low concentrations.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Kenry Corp. is considering enrollment in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.15-acre site located at 45 India Street in the Greenpoint section of the borough of Brooklyn, New York City. Residential use is proposed for the Site. The RI work was performed on March 31, May 23, and August 1, 2012. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 45 India Street (Block 2531, Lot 35) on the city block between Huron Street, Franklin Street, India Street and West Street in the Greenpoint section of the borough of Brooklyn, New York. A Site Location Map is provided in Figure 1. The Site consists of vacant, unpaved land encompassing an approximate area of 5,000 square feet and is bound by multi-story residential buildings to the north, east and west, and India Street, followed by a multi-family residential building to the south. Beyond the adjoining properties, the Site is located in a predominantly industrial area. A map of the Site boundary is shown on Figure 2.

The Site is a vacant lot with approximately 50 feet of frontage along India Street. Based on our review of published topographic data (United States Geological Survey [USGS] Brooklyn Quadrangle Topographic Map, 1995), the topographic slope is in a westerly direction towards the East River, which is located approximately 850 feet west of the Site. The Site is topographically lower with respect to adjacent and surrounding properties to the east.

1.2 PROPOSED REDEVELOPMENT PLAN

The planned development consists of a 3,000 square foot 4-story residential building with seven (7) Condominiums and a single cellar spanning about half of the Site. The balance of the Site will consist of a concrete patio and yard space. The depth of the cellar will extend approximately 10 feet below the existing Site grade. The cellar will be used for Storage,

Elevator Mechanical Room, a Gym/Fitness Center, Gas Meter Room, Telecom, and Electric Meter Room. The foundation will be supported on footings.

The Site is located within the Greenpoint-Williamsburg Rezoning District and its current zoning designation is R6-B. Development projects within this district must comply with Zoning Resolution, Article IX: Special Purpose Districts, Chapter 7: Special Mixed-Use – Greenpoint-Williamsburg District. The proposed Site use is consistent with existing zoning. The New York City Department of City Planning (NYCDCP) has assigned an E-designation (E-138) to the Site for hazmat and Window Wall Attenuation – Alternative Ventilation.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The Site is bordered by Huron Street to the north, multi-story residential buildings followed by Franklin Street to the east, India Street followed by multi-story residential buildings to the south, and multi-story residential buildings followed by West Street to the west. Beyond the adjoining properties, the Site is located in a predominantly industrial area.

The surrounding neighborhood is generally characterized by multi-story, mixed-use residential, commercial, manufacturing and retail properties. The major thoroughfares, India Street and Franklin Street, are zoned for commercial and residential usage and generally populated with commercial and retail properties with mixed-use residential and commercial buildings.

NYC OER's Searchable Property Environmental E-Database (SPEED) was utilized to research sensitive environmental receptors within a 500-foot radius of the Site. This evaluation revealed that no sensitive receptors such as schools, hospitals, and day care centers exist within the target radius.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The Site was developed with a residential building by 1887 and has had various uses since then, including a materials storage warehouse (1905), day nursery (1916), and a vacant lot (1978 – 1982). The Site buildings have been demolished and the Site is currently vacant.

2.2 PREVIOUS INVESTIGATIONS

Phase I ESA, dated April 2012, prepared by Landmark

Landmark conducted the Phase I ESA on behalf of Kenry Corp. as part of the due diligence associated with the proposed development project discussed herein. The Site was vacant and surrounded by a chain-link fence at the time of the Phase I ESA. Landmark's Phase I ESA did not reveal any recognized environmental conditions (RECs).

2.3 SITE INSPECTION

A Site inspection was performed on April 3, 2010 by Landmark to identify features of environmental significance that define Areas of Concern (AOC). The Site Inspection was performed under the direction of a Qualified Environmental Professional (QEP), Paul McGaha, CHMM, LSRP.

2.4 AREAS OF CONCERN

Areas of Concern generally include areas where existing or former activities are known or suspected to have resulted in generation, manufacture, refinement, transport, storage, handling, treatment, discharge, release and/or disposal. Sanborn fire insurance maps available for this Site were reviewed to identify historical features of environmental significance. The Phase I ESA Report, including the fire insurance maps, is provided in Appendix A. Areas of concern identified for this project includes:

- Historic fill to the depths of 4 feet across the site.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Paul McGaha, CHMM, LSRP.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. The Health and Safety Plan (HASP) is included in Appendix B.

3.3 MATERIALS MANAGEMENT

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The RI consisted of the following scope of work:

1. Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 9 soil borings from which 15 soil samples were collected for chemical analysis to evaluate soil quality;
3. Installed 3 permanent groundwater monitoring wells throughout the Site to establish groundwater flow direction and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 5 soil vapor probes and collected 5 vapor samples for chemical analysis.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Boring logs were prepared by a Landmark field engineer for all soil samples to document subsurface conditions. Boring logs include a description of the following: soil types and non-soil materials; soil screening results from field instrument measurements, depth to groundwater; presence of soil mottling; presence of odor, vapors, soil discoloration; and presence of free and/or residual product. Boring logs with this information are attached in Appendix C. A map showing the location of soil borings is provided on Figures 3A and 3B. Construction details for soil borings installed during this RI are included in Table 1.

Groundwater Monitoring Well Construction

Three permanent (two-inch diameter) polyvinyl chloride (PVC) groundwater monitoring wells were installed during this RI using a direct-push Geoprobe to estimate groundwater flow direction and to collect groundwater samples for chemical analysis to evaluate groundwater quality. The permanent groundwater wells were screened from approximately 6 to 11 ft bgs. Monitoring wells were located to be representative of groundwater quality at the Site. A map showing the location of groundwater monitoring wells is provided on Figure 4.

Survey

A global positioning system (GPS) was used to identify the location of all soil borings and monitoring wells. The location coordinates are included in Table 1.

Water Level Measurement

Static water levels measurements were obtained on May 23, 2012 to determine groundwater elevation and the groundwater flow direction; this data is included in Table 2. Groundwater level data was collected with a Solinst oil-water interface probe.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted to be representative of Site conditions and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy. A summary of samples collected during this RI for all media is presented on Table 4.

Soil Sampling

Fifteen soil samples were collected from nine soil borings locations (SB-1 through SB-8 and MW-1 through MW-3) throughout the Site for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 5. Figures 3A and 3B show the location of samples collected in this investigation. Laboratories and analytical methods are shown below. The borings were completed by Landmark with a Geoprobe® direct-push soil sampler. Environmental borings were completed to a maximum depth of 12 ft bgs.

Soil samples were collected continuously throughout the depth of each environmental boring. Samples were collected with the Geoprobe® using a 5-foot Macrocore® sample barrel, each with a dedicated acetate liner.

Soil samples retrieved from each boring were visually classified for soil type, color, grain size, and moisture content. Each sample was screened for visual, olfactory, and instrumental evidence of contamination. Instrument screening for the presence of total volatile organic vapors was performed with a hand-held PID equipped with a 10.6 electron volt (eV) lamp, calibrated to a known concentration of isobutylene. Following soil sample collection, all boreholes were backfilled with soil cuttings and/or sand, grouted, and restored with material consistent with the surroundings. Boring logs documenting these observations are included as Appendix C. Prior to backfilling, select soil borings were converted permanent monitoring wells (refer to Groundwater Sampling section). Down-hole drilling equipment was decontaminated between borings with Alconox and water.

Soil samples collected from each completed boring were segregated and prepared for submittal to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory with the appropriate chain-of-custody documentation for analysis. The installation of each of the MW soil borings (i.e., MW-1 through MW-3) and borings SB-6 through SB-8 involved collecting soil samples at two depth intervals (one shallow soil sample and one deep soil sample). It is anticipated that all material represented by the soil samples will be removed from the Site as part of the excavation and construction activities associated with the redevelopment of the Site. In addition, one discrete soil sample was collected from borings SB-1 through SB-5 from the native soil that underlies historic fill.

Each soil sample was collected and placed into pre-cleaned, laboratory-prepared containers. Care was taken to obtain representative soil samples and to fill the sample jars to capacity to minimize loss of volatile constituents. Sample jar threads were wiped clean of soil particles and the jars sealed with Teflon-lined screw closure lids. The sample jars were uniquely labeled to identify the sample number, project name, and the date and time of collection. Soil samples were placed into insulating coolers with ice and submitted under standard chain-of-custody protocol to York Analytical Laboratories, Inc., (York) a NYSDOH ELAP-certified laboratory in Stratford, Connecticut.

Groundwater Sampling

Permanent groundwater monitoring wells MW-1, MW-2, and MW-3 were installed to a depth of approximately 11 ft bgs. Permanent groundwater monitoring well locations are

presented on Figures 2 and 4. Each permanent monitoring well was constructed by inserting new, two-inch diameter PVC well screen and riser into the open borehole. Each well was constructed with a 5-foot screened interval that intersected the observed groundwater table from approximately 6 to 11 ft bgs. Clean filter sand was placed in the annulus between the borehole and the outside of the screen, from the bottom of the boring to about 2-feet above the top of the screen. A 2-foot-thick hydrated bentonite seal was placed above the filter sand. Following installation, the permanent wells were developed using a submersible pump, fitted with dedicated, disposable tubing at a flow rate of generally less than 5 gallons per minute (gpm). Each well was developed such that a minimum of three well volumes were purged and the discharge was free of silt or fine sand.

One groundwater sample was collected from each of the groundwater wells with a peristaltic pump and dedicated polyethylene tubing. During well purging, the turbidity, pH, temperature, conductivity, reduction oxidation potential, and dissolved oxygen of the groundwater were monitored using a Hatch water quality meter with a flow-through cell. The groundwater was purged until the water quality parameters were stable and the turbidity was below 100 Nephelometric Turbidity Units (NTU). The monitored parameters were recorded on the groundwater sampling logs provided in Appendix D. Sampling was conducted in accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated December 2002, and Sampling Guidelines and Protocols, dated March 1991.

Soil Vapor Sampling

Five soil vapor probes were installed and sampled. Soil vapor sampling locations are provided on Figures 2 and 5. With the exception of sample, SV#1, soil vapor samples were collected within the footprint of the proposed building from a depth of approximately 6 ft bgs. Samples were not collected beneath the anticipated cellar depth because the cellar is deeper than the groundwater table. Down-hole drilling equipment was decontaminated between borings with Alconox and water. A soil vapor probe attached to polyethylene tubing was inserted at each soil vapor sample location and the annulus around the probe/tubing was filled with sand to a few inches above the probe. Bentonite slurry was then applied to the top of the sand pack to grade surface to isolate the sampling points from ambient air. The soil vapor samples were collected into laboratory-supplied, batch certified-clean Summa® canisters that were calibrated for a sampling rate of one hour per sample. Prior to sample collection, the soil vapor was screened

with a PID. As a QA/QC measure, helium was introduced as a tracer gas into the sampling chamber at the existing grade to ensure that the soil vapor sampling points were properly sealed and ambient air did not infiltrate the canister. The ambient air sample was collected into a laboratory-supplied, individually certified-clean Summa® canister calibrated for a sampling rate of six hours. Soil vapor sample collection data is reported in Appendix E. The soil vapor investigation was conducted in accordance with the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006.

Quality Assurance and Quality Control (QA/QC)

Quality assurance/quality control (QA/QC) procedures were implemented during field activities and included the following procedures:

- Calibration of field equipment, including PID, on a daily basis;
- Use of dedicated and disposable field sampling equipment;
- Proper sample handling and preservation;
- Proper sample chain-of-custody documentation; and
- Completion of boring, groundwater, and soil vapor sampling logs.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Paul McGaha, CHMM
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and was York Analytical Laboratory.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010B • VOCs by EPA Method 8260B • SVOCs by EPA Method 8270C • Pesticides by EPA Method 8081A • PCBs by EPA Method 8082 Groundwater analytical methods: • TAL Metals by EPA Method 6010B • VOCs by EPA Method 8260B • SVOCs by EPA Method 8270C • Pesticides by EPA Method 8081A • PCBs by EPA Method 8082 Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 5, 6, and 7, respectively. Laboratory data deliverables for samples evaluated in this RIR are provided in Appendix F.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Historic urban fill material, predominately consisting of brown sand and silt with some gravel, brick and wood fragments and other miscellaneous debris was identified beneath the surface cover. The fill layer had an average thickness of 5.5 feet and ranges from approximately 5 to 6 feet. This fill layer is classified as Historic Urban Fill, as defined in the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (dated May 2010). Beneath the fill material was native, glacial alluvium consisting of layers of sand, gravel, and occasional layers of clayey silt. Geological surface features (e.g., rock outcroppings) were not observed. Soil and bedrock stratigraphy throughout Brooklyn typically consists of a layer of historical fill that overlies glacial till, decomposed unconsolidated bedrock, and bedrock. Based on a review of the "Bedrock and Engineering Geologic Maps of New York County and parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" (Baskerville Map), dated 1994 and prepared by Charles A. Baskerville, the Site is underlain by bedrock of Cambrian-Ordovician Ravenswood Granodiorite, which consists of mica-quartz-feldspar gneiss. Based on geotechnical investigations conducted at the Site by Pillori Associates, bedrock is greater than 42 feet below surface grade.

Hydrogeology

A table of water level data for all monitoring wells is included in Table 2. The average depth to groundwater is approximately 7.41 ft bgs and the range in depth is 7.11 to 7.75 ft bgs. Groundwater flow is from east to west toward the East River. The inferred groundwater flow direction is presented on Figures 2 and 4. Groundwater in the New York City area, with the exception of eastern Queens County, is not used as a potable water source. Potable water is provided to the Site by the City of New York and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

5.2 SOIL CHEMISTRY

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of the contaminants in soil at the Site. A summary table of the data for the chemical analysis

performed on the soil samples is found in Table 5. The results of the analysis were compared to the NYSDEC Unrestricted Use (Track 1) SCOs and the Restricted Use (Track 2) Restricted-Residential SCOs, as presented in 6 NYCRR Part 375-6.8 and CP-51. A copy of the laboratory report is provided in Appendix F.

Soil/fill samples collected during the RI showed no detectable levels of VOCs and thus TCE, PCE, TCE and carbon tetrachloride were not detected in soil samples. SVOCs, including benzo(a)anthracene (maximum concentration of 16 ppm), benzo(a)pyrene (maximum concentration of 14 ppm), benzo(b)fluoranthene (maximum concentration of 17 ppm), benzo(k)fluoranthene (maximum concentration of 6.9 ppm), chrysene (maximum concentration of 15 ppm, dibenzo(a,h)anthracene (maximum concentration of 1.3 ppm), indeno(1,2,3-cd)pyrene (maximum concentration of 3.5 ppm), and phenol (maximum concentration of 5.3 ppm) were detected in shallow and deep samples exceeding the Track 1 Unrestricted Use SCOs but were below the Track 2 Restricted-Residential SCOs. PCB's were not detected in soil samples. Pesticides (4,4'-DDD, 4,4'-DDE, and4,4'-DDT) and dieldrin were detected in shallow and deep samples exceeding the Track 1 Unrestricted Use SCOs but were below the Track 2 Restricted-Residential SCOs. Metals, including barium, lead, mercury, selenium, and zinc, were detected in shallow and deep samples above the Track 1 Unrestricted Use SCOs and of these lead (maximum concentration of 1560 ppm) and mercury (maximum of 1.6 ppm) exceeded the Track 2 Restricted-Residential SCO.

Overall, the findings were consistent with observations for historical fill sites in areas throughout NYC.

5.3 GROUNDWATER CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of the contaminants in groundwater at the site. A summary table of the data for the chemical analysis performed on the groundwater samples is found in Table 6. The results of the analysis were compared to the New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). A copy of the laboratory report is provided in Appendix F.

Groundwater samples collected during the RI showed that VOCs, PCBs, and pesticides were not detected in groundwater and thus TCE, PCE, TCE and carbon tetrachloride were not detected in groundwater samples. One SVOCs (bis(2-ethylhexyl)phthalate) was detected at concentrations

slightly exceeding the GQS of 5.0 ug/L with a concentration of 5.2 ug/L. This SVOC is a common phthalate plasticizer, and is used in the production of PVC and other plastics. Therefore, these marginal detections of bis(2-ethylexyl)phthalate may be attributable to the well construction (PVC) or the sampling equipment.

5.4 SOIL VAPOR CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of the contaminants in soil vapor at the site. A summary table of the data for the chemical analysis performed on the soil vapor samples is found in Table 7. The results of the analysis were compared to the New York State Department of Health "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". A copy of the laboratory report is provided in Appendix F.

Soil vapor samples collected during the RI indicated that there were low detections of petroleum-related VOCs and were generally below 10 ug/m^3 for individual compounds. Tetrachloroethylene, a chlorinated VOC, was detected in all of the samples, with a maximum concentration of 16 ug/m^3. TCA and TCE were not detected in soil vapor samples. Carbon tetrachloride (maximum 0.75 ug/m^3) was detected at extremely low concentrations.

5.5 PRIOR ACTIVITY

Based on an evaluation of the soil metals data and information from the RIR, disposal of hazardous waste is likely at this Site. Prior to disposal of hazardous soil, a notification of regulated waste activity form (EPA Form 8700-12) will be submitted to the EPA and a Resource Conservation and Recovery Act (RCRA) generator identification number will be assigned to the Site.

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

TABLES

TABLE 1
Construction Details for Soil Borings and Monitoring Wells
45 India Street
Brooklyn, New York

Boring/Well Identification	Date Installed	Diameter/Material of Construction	Total Depth (ft bgs)	Screen Interval (ft bgs)
MW-1-0-5’	3-31-12	NA	5’	NA
MW-1-5-11’	3-31-12	NA	11’	NA
MW-2-0.5’	3-31-12	NA	5’	NA
MW-2-5-11’	3-31-12	NA	11’	NA
MW-3-0-5’	3-31-12	NA	5’	NA
MW-3-5-11’	3-31-12	NA	11’	NA
MW-1	5-23-12	4” PVC	11’	1-11’
MW-2	5-23-12	4” PVC	11’	1-11’
MW-3	5-23-12	4” PVC	11’	1-11’
SS #1	7/31/12	2.25” ¼” Poly	4’	NA
SS #2	7/31/12	2.25” ¼” Poly	4’	NA
SS #3	7/31/12	2.25” ¼” Poly	4’	NA
SB-1	9-21-12	NA	12’	NA
SB-2	9-21-12	NA	12’	NA
SB-3	9-21-12	NA	12’	NA
SB-4	9-21-12	NA	12’	NA
SB-5	9-21-12	NA	12’	NA
SB#6-0-2’	11/14/2012	NA	12’	NA
SB#6-5-7’	11/14/2012	NA	12’	NA
SB#7-0-2’	11/14/2012	NA	12’	NA
SB#7-5-7’	11/14/2012	NA	12’	NA
SB#8-0-2’	11/14/2012	NA	12’	NA
SB#8-10-12’	11/14/2012	NA	12’	NA
SV #1	11/15/2012	2.25” ¼” Poly	4’	NA
SV #2	11/15/2012	2.25” ¼” Poly	4’	NA

Table 2
Groundwater Level Data
45 India Street
Brooklyn, New York
May 23, 2012

Parameters	MW-1	MW-2	MW-3
Total Depth (ft.)	10.53	10.85	10.68
Depth to Water (ft.)	7.11	7.36	7.75
Specific Conductance (umhos/cm)	457	449	583
Temperature (degrees C)	16.4°	17.3°	18.3°
pH (units)	7.27	7.02	7.41

TABLE 3
Analytical Methods Summary
45 India Street
Brooklyn, New York

Boring Location	Sample Depth (ft-bgs)	Date Collected	Analyte(s)/Analytical Method	Analytical Laboratory
MW-1	GW	5/23/2012	TCL VOCs (EPA 8260B); TCL SVOCs (EPA 8270D); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), Phenols (EPA 9065), Cyanide (EPA 9012), Asbestos (EPA 600), 2,3,7,8-TCDD - Dioxin (EPA 8290)	Phoenix Environmental Laboratories
MW-2	GW	5/23/2012	TCL VOCs (EPA 8260B); TCL SVOCs (EPA 8270D); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), Phenols (EPA 9065), Cyanide (EPA 9012), Asbestos (EPA 600), 2,3,7,8-TCDD - Dioxin (EPA 8290)	Phoenix Environmental Laboratories
MW-3	GW	5/23/2012	TCL VOCs (EPA 8260B); TCL SVOCs (EPA 8270D); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), Phenols (EPA 9065), Cyanide (EPA 9012), Asbestos (EPA 600), 2,3,7,8-TCDD - Dioxin (EPA 8290)	Phoenix Environmental Laboratories
MW-1-0-5’	0-5'	3/31/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
MW-1-5-11’	5-11'	3/31/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
MW-2-0.5’	0-5'	3/31/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
MW-2-5-11’	5-11'	3/31/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
MW-3-0-5’	0-5'	3/31/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
MW-3-5-11’	5-11'	3/31/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SB-1	4.5-5'	9/21/2012	TCLP Metals (EPA 6010/7470)	Phoenix Environmental Laboratories
SB-2	4.5-5'	9/21/2012	TCLP Metals (EPA 6010/7470)	Phoenix Environmental Laboratories
SB-3	5.5-6'	9/21/2012	TCL SVOCs (EPA 8270); TAL Metals (EPA 6010B/7471A)	Phoenix Environmental Laboratories
SB-4	5.5-6'	9/21/2012	TCL SVOCs (EPA 8270); TAL Metals (EPA 6010B/7471A)	Phoenix Environmental Laboratories
SB-5	5.5-6'	9/21/2012	TCL SVOCs (EPA 8270); TAL Metals (EPA 6010B/7471A)	Phoenix Environmental Laboratories
SB# 6	0-2'	11/14/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SB# 6	5-7'	11/14/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SB #7	0-2'	11/14/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SB #7	5-7'	11/14/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SB #8	0-2'	11/14/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SB #8	10-12'	11/14/2012	TCL VOCs (EPA 8260); TCL SVOCs (EPA 8270); PCBs (EPA 8082); Pesticides (EPA 8081); TAL Metals (EPA 6010B/7471A), and Cyanide (EPA 9010/9012), Herbicides (EPA 8151)	Phoenix Environmental Laboratories
SS #1	4-4.5'	7/31/2012	EPA TO-15	Phoenix Environmental Laboratories
SS #2	4-4.5'	7/31/2012	EPA TO-15	Phoenix Environmental Laboratories
SS #3	4-4.5'	7/31/2012	EPA TO-15	Phoenix Environmental Laboratories
SV #1	4-4.5'	11/15/2012	EPA TO-15	Phoenix Environmental Laboratories
SV #2	4-4.5'	11/15/2012	EPA TO-15	Phoenix Environmental Laboratories

TABLE 4

Sample Collection Data for All Media

Sample ID	Date	Soil Sample Depth (feet below land surface)
MW-1-0-5’	3-31-2012	0-5’
MW-1-5-11’	3-31-2012	5-11’
MW-2-0-5’	3-31-2012	0-5’
MW-2-5-11’	3-31-2012	5-11’
MW-3-0-5’	3-31-2012	0-5’
MW-3-5-11’	3-31-2012	5-11’
MW-1	5-23-2012	NA
MW-2	5-23-2012	NA
MW-3	5-23-2012	NA
SS #1	7-31-2012	4-4.5’
SS #2	731-2012	4-4.5’
SS #3	7-31-2012	4-4.5’
SB-1	9-21-2012	3.5-4’
SB-2	9-21-2012	3.5-4’
SB-3	9-21-2012	5.5-6’
SB-4	9-21-2012	5.5-6’
SB-5	9-21-2012	5.5-6’
SB #6-0-2’	11-14-2012	0-2’
SB #6-5-7’	11-14-2012	5-7’
SB #7-0-2’	11-14-2012	0-2’
SB #7-5-7’	11-14-2012	5-7’
SB #8-0-2’	11-14-2012	0-2’
SB #8-10-12’	11-14-2012	10-12’
SV #1	11-15-2012	4-4.5’
SV #2	11-15-2012	4-4.5’

TABLE 5
45 India Street
Brooklyn, New York
Soil Sample Analytical Results

Contaminant	Lab ID	BB69528	BB69529	BB69530	BB69531	BB69532	BB69533	BC73712	BC73713	BC73714	12K0547-01	12K0547-02	12K0547-03	12K0547-04	12K0547-05	12K0547-06	Unrestricted Use	Protection of Public Health			
	Sample ID	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	SB #3	SB #4	SB #5	SB #6	SB #6	SB #7	SB #7	SB #8	SB #8					
	Sample Depth	0-5'	5-11'	0-5'	5-11'	0.5'	5-11'	5.5-6'	5.5-6'	5.5-6'	0-2'	5-7'	0-2'	5-7'	0-2'	10-12'					
	Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		Residential	Restricted-Residential	Commercial	Industrial
	Sample Date	3/31/2012	3/31/2012	3/31/2012	3/31/2012	3/31/2012	3/31/2012	9/21/2012	9/21/2012	9/21/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012					
Metals	CAS Number	Analytical Sample Results															DEC Standards				
Aluminum	7429-90-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	13,600	10900	8840	11500	10600	6210	None	None	None	None	None
Antimony	7440-36-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	None	None	None	None	None
Arsenic	7440-38-2	4.41	2.03	4.11	3.22	4.78	2.46	3.1	ND	2.5	3.76	6.2	9.38	3.78	2.97	6.12	13	16	16	16	16
Barium	7440-39-3	2440	1070	159	127	388	123	22.6	23.8	33.3	42.7	50.6	165	17	67	32.1	350	350	400	400	10,000
Beryllium	7440-41-7	ND	ND	ND	ND	ND	ND	0.36	0.38	0.37	0.233	0.421	ND	ND	ND	ND	7.2	14	72	590	2,700
Cadmium	7440-43-9	0.63	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	2.5	4.3	9.3	60
Calcium	7440-70-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	1140	1570	4890	957	1160	888	None	None	None	None	None
Chromium, hexavalent [h]	18540-29-9	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	1	22	110	400	800
Chromium, trivalent[h]	16065-83-1	18.7	14.3	16	17.1	16.9	15.6	13.3	17.3	17.1	17.5	25.1	32.8	17.7	15	11.9	30	36	180	1,500	6,800
Cobalt	7440-48-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.77	29.5	6.45	5.94	6.87	6.95	None	None	None	None	None
Copper	7440-50-8	34.2	16.8	37	43.6	34.7	18.2	17.1	19.5	15.6	14.3	19.7	77.3	24.5	17	13.3	50	270	270	270	10,000
Total Cyanide		ND	ND	ND	ND	0.5	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	27	27	27	27	10,000
Iron	7439-89-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	18900	32700	21400	19600	17600	9100	None	None	None	None	None
Lead	7439-92-1	1560	767	335	192	782	205	6.18	6.86	5.39	16.3	155	528	12.8	67	4.61	63	400	400	1,000	3,900
Magnesium	7439-95-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	3230	2040	2440	3370	2670	2080	None	None	None	None	None
Manganese	7439-96-5	218	272	313	302	281	292	836	387	95.4	464	1040	333	189	341	62.8	1600	2,000	2,000	10,000	10,000
Total Mercury		1.6	0.69	1	0.49	0.56	ND	NA	NA	ND	ND	ND	0.199	0.164	ND	ND	0.18	0.81	0.81	2.8	5.7
Nickel	7440-02-0	11.2	11.8	17.4	15.1	15.3	14.8	14.8	18	14.4	23.8	22.4	25.8	22.8	21.4	14.2	30	140	310	310	10,000
Potassium	9/7/7440	NA	NA	NA	NA	NA	NA	NA	NA	NA	955	1180	880	1140	1210	1100	None	None	None	None	None
Selenium	7782-49-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.65	6.47	5.38	3.47	3.05	2.18	3.9	36	180	1,500	6,800
Silver	7440-22-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	36	180	1,500	6,800
Sodium	7440-23-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	84.4	92.9	111	94	122	78.4	None	None	None	None	None
Thallium	7440-28-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	None	None	None	None	None
Vanadium	7440-66-2	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.6	49.6	29.1	23.5	23.7	18.7	None	None	None	None	None
Zinc	7440-66-6	1220	319	199	139	446	104	26.7	33.4	43.5	67.6	47.1	422	39.1	310	19.1	109	2200	10,000	10,000	10,000
PCBs/Pesticides																					
2,4,5-TP Acid (Silvex)	93-72-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	3.8	58	100	500	1,000
4,4'-DDE	72-55-9	0.0059	0.006	0.0044	0.0041	0.018	0.007	NA	NA	NA	ND	ND	0.0179	ND	ND	ND	0.0033	1.8	8.9	62	120
4,4'-DDT	50-29-3	0.25	0.026	0.0068	0.0089	0.12	0.033	NA	NA	NA	ND	ND	0.082	ND	ND	ND	0.0033	1.7	7.9	47	94
4,4'-DDD	72-54-8	0.0092	0.15	0.0045	ND	0.01	0.0036	NA	NA	NA	ND	ND	0.00349	ND	ND	ND	0.0033	2.6	13	92	180
Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.005	0.019	0.097	0.68	1.4
alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.02	0.097	0.48	3.4	6.8
beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.036	0.072	0.36	3	14
Chlordane (alpha)	5103-71-9	0.071	0.051	ND	ND	0.088	0.068	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.094	0.91	4.2	24	47
delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.04	100	100	500	1,000
Dibenzofuran	132-64-9	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	7	14	59	350	1,000
Dieldrin	60-57-1	0.0085	0.0052	ND	ND	0.019	0.015	NA	NA	NA	ND	ND	0.00277	ND	ND	ND	0.005	0.039	0.2	1.4	2.8
Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	2.4	4.8	24	200	920
Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	2.4	4.8	24	200	920
Endosulfan sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	2.4	4.8	24	200	920
Endrin	72-20-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.014	2.2	11	89	410
Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.042	0.42	2.1	15	29
Lindane	58-89-9	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.1	0.28	1.3	9.2	23
Polychlorinated biphenyls	1336-36-3	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.1	1	1	1	25
Semivolatiles																					
Acenaphthene	83-32-9	1.2	ND	0.28	ND	1.9	0.5	ND	ND	ND	ND	ND	0.172	ND	ND	ND	20	100	100	500	1,000
Acenapthylene	208-96-8	ND	ND	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	100	500	1,000
Anthracene	120-12-7	3.3	0.39	1	0.66	6	1.5	ND	ND	ND	ND	ND	0.459	ND	ND	ND	100	100	100	500	1,000
Benz(a)anthracene	56-55-3	6.5	1	2.1	1.2	16	4	ND	ND	ND	ND	ND	1.15	ND	ND	ND	1	1	1	5.6	11
Benzo(a)pyrene	50-32-8	5.3	0.81	1.7	0.98	14	3.6	ND	ND	ND	ND	ND	0.892	ND	ND	ND	1	1	1	1	1.1
Benzo(b)fluoranthene	205-99-2	7.1	1.1	2.1	1.3	17	5	ND	ND	ND	ND	ND	0.819	ND	ND	ND	1	1	1	5.6	11
Benzo(g,h,i)perylene	191-24-2	1.9	0.38	0.69	0.42	3.4	1.2	ND	ND	ND	ND	ND	0.377	ND	ND	ND	100	100	100	500	1,000
Benzo(k)fluoranthene	207-08-9	2.1	0.34	0.67	0.35	6.9	1.5	ND	ND	ND	ND	ND	0.977	ND	ND	ND	0.8	1	3.9	56	110
Bis(2-ethylhexyl)phthalate	117-81-7	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.217	ND	ND	ND	None	None	None	None	None
Chrysene	218-01-9	5.4	0.79	1.8	1.1	15	3.4	ND	ND	ND	ND	ND	1.07	ND	ND	ND	1	1	3.9	56	110
Dibenz(a,h)anthracene	53-70-3	0.53	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	0.255	ND	ND	ND	0.33	0.33	0.33	0.56	1.1
Dibenzofuran	132-64-9	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	0.111	ND	ND	ND	None	None	None	None	None
Fluoranthene	206-44-0	16	2.3	5.3	3.3	29	6.4	ND	ND	ND	ND	ND	1.96	ND	ND	ND	100	100	100	500	1,000
Fluorene	86-73-7	1.3	ND	0.51	0.32	2.3	0.6	ND	ND	ND	ND	ND	0.212	ND	ND	ND	30	100	100	500	1,000
Indeno(1,2,3-cd)pyrene	193-39-5	1.9	0.32	0.6	0.36	3.5	1.2	ND	ND	ND	ND	ND	0.435	ND	ND	ND	0.5	0.5	0.5	5.6	11
m-Cresol	108-39-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	100	100	500	1,000
Naphthalene	91-20-3	0.84	ND	0.5	ND	1.1	0.31	ND	ND	ND	ND	ND	0.151	ND	ND	ND	12	100	100	500	1,000
o-Cresol	95-48-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	100	100	500	1,000
p-Cresol	106-44-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	34	100	500	1,000
Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	2.4	6.7	6.7	55
Phenanthrene	85-01-8	14	1.7	4.7	3.1	26	7.3	ND	ND	ND	ND	ND	1.67	ND	ND	ND	100	100	100	500	1,000
Phenol	108-95-2	ND	ND	ND	ND	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	100	100	500	1,000
Pyrene	129-00-0	13	1.9	4.9	3	23	ND	ND	ND	ND	ND	ND	1.63	ND	ND	ND	100	100	100	500	1,000
Volatiles																					
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.68	100	100	500	1,000
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.27	19	26	240	480
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.33	100	100	500	1,000
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	1.1	100	100	500	1,000
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.02	2.3	3.1	30	60
cis-1,2-Dichloroethene	156-59-2	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.25	59	100	500	1,000
trans-1,2-Dichloroethene	156-60-5	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.19	100	100	500	1,000
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	2.4	17	49	280	560
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	1.8	9.8	13	130	250
1,4-Dioxane	123-91-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.1	9.8	13	130	250
Acetone	67-64-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	0.036	0.024	0.029	0.047	0.074	0.05	100	100	500	1,000
Benzene	71-43-2	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.06	2.9	4.8	44	89
Butylbenzene	104-51-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	12	100	100	500	1,000
Carbon tetrachloride	56-23-5	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.76	1.4	2.4	22	44
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	1.1	100	100	500	1,000
Chloroform	67-66-3	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.37	10	49	350	700
Ethylbenzene	100-41-4	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	1	30	41	390	780
Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.33	0.33	1.2	6	12
Methyl ethyl ketone	78-93-3	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.12	100	100	500	1,000
Methyl tert-butyl ether	1634-04-4	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.93	62	100	500	1,000
Methylene chloride	75-09-2	ND	ND	ND	ND	ND	ND	NA	NA	NA	0.0047	0.0047	0.0037	0.0036	0.0049	0.0044	0.05	51	100	500	1,000
n-Propylbenzene	103-65-1	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	3.9	100	100	500	1,000
sec-Butylbenzene	135-98-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	11	100	100	500	1,000
tert-Butylbenzene	98-06-6	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	5.9	100	100	500	1,000
Tetrachloroethene	127-18-4	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	1.3	5.5	19	150	300
Toluene	108-88-3	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.7	100	100	500	1,000
Trichloroethene	79-01-6	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.47	10	21	200	400
1,2,4-Trimethylbenzene	95-63-6	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	3.6	47	52	190	380
1,3,5- Trimethylbenzene	108-67-8	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	8.4	47	52	190	380
Vinyl chloride	75-01-4	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.02	0.21	0.9	13	27
Xylene (mixed)	1330-20-7	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	0.26	100	100	500	1,000

Notes:
Results reported in parts per million
ND - Not Detected
NA - Not Analyzed

TABLE 6
45 India Street
Brooklyn, New York
Groundwater Analytical Data Summary

Sample ID Laboratory ID Sample Date Matrix Parameters	MW-1 BB90183 5/23/2012 Groundwater	MW-2 BB90184 5/23/2012 Groundwater	MW-3 BB90185 5/23/2012 Groundwater	NYSDEC GWQS Part 703
Metals	**Analytical Sample Results**			
Silver	<0.001	<0.001	<0.001	50 mg/l
Arsenic	<0.004	<0.004	<0.004	25 mg/l
Beryllium	<0.001	<0.001	<0.001	11 mg/l
Cadmium	<0.001	<0.001	<0.001	5 mg/l
Chromium	*0.014*	<0.001	*0.007*	5 mg/l
Copper	*0.009*	<0.005	*0.005*	200 mg/l
Mercury	<0.0002	<0.0002	<0.0002	0.7 mg/l
Nickel	*0.007*	<0.001	*0.002*	100 mg/l
Lead	*0.004*	<0.002	*0.005*	25 mg/l
Antimony	<0.005	<0.005	<0.005	3 mg/l
Selenium	<0.10	<0.10	<0.10	10 mg/l
Thallium	<0.002	<0.002	<0.002	5 mg/l
Zinc	*0.049*	*0.023*	*0.031*	5 mg/l
Total Cyanide	<0.01	<0.01	<0.01	-
Dioxin	**ND**	**ND**	**ND**	-
PCBs/Pesticides	all **ND**	all **ND**	all **ND**	-
Volatiles	all **ND**	all **ND**	all **ND**	-
Semivolatiles	all **ND**	all **ND***	all **ND***	-
Bis(2-ethylexyl)phthalate	all **ND**	**5.2** µg/l (ppb)	3.7 µg/l (ppb)	5.0 ug/l

Notes: Results for metals reported in ppm (mg/l)
ND - Not Detected
*except for below

TABLE 7

45 India Street

Brooklyn, New York

Soil Vapor Analytical Data Summary

Chemical	Lab Sample Id	BC49751	BC49750	BC49752	491201121-0002	491201121-0001	EPA Shallow Soil Gas Concentrations (ug/m3)	NYSDOH Soil Outdoor Background Levels (ug/m3)	NYSDOH Air (ug/m3)
	Collection Date	7/31/2012	7/31/2012	7/31/2012	11/15/2012	11/15/2012			
	Client Id	SS #1	SS #2	SS #3	SV #1	SV #2			
	Matrix	Air	Air	Air	Air	Air			
	CAS Number	TO15 (ug/m3)							
Acetone (2-propanone)	67-64-1	306.43	446.59	508.35	19.00	8.60	3500	NA	NA
Benzene	71-43-2	1.37	ND	1.25	4.40	ND	3.1	<1.6 - 4.7	NA
Bromodichloromethane	75-27-4	ND	ND	ND	ND	ND	1.4	<5.0	NA
Bromoethene	593-60-2	ND	ND	ND	ND	ND	1.4	<5.0	NA
Bromoform	75-25-2	ND	ND	ND	ND	ND	22	<1.0	NA
Bromomethane (Methyl bromide)	74-83-9	ND	ND	ND	ND	ND	NA	<1.0	NA
1,3-Butadiene	106-99-0	ND	ND	ND	7.20	ND	0.087	NA	NA
2-Butanone (Methyl ethyl ketone)	78-93-3	ND	ND	ND	3.50	ND	NA	NA	NA
Carbon disulfide	75-15-0	1.90	ND	10.09	6.00	ND	7000	NA	NA
Carbon tetrachloride	56-23-5	0.69	0.75	0.69	ND	ND	1.6	<3.1	50
Chlorobenzene	108-90-7	ND	ND	ND	ND	ND	600	<2.0	NA
Chloroethane	75-00-3	ND	ND	ND	ND	ND	100000	NA	NA
Chloroform	67-66-3	ND	ND	ND	ND	ND	1.1	<2.4	NA
Chloromethane (Methyl chloride)	74-87-3	1.61	1.84	1.51	ND	ND	NA	<1.0 - 1.4	NA
3-Chloropropene (allyl chloride)	107-05-1	14.27	5.01	22.85	ND	ND	NA	NA	NA
2-Chlorotoluene (o-Chlorotoluene)	95-49-8	ND	ND	ND	NA	ND	NA	NA	NA
Cyclohexane	110-82-7	ND	ND	ND	ND	ND	NA	NA	NA
Dibromochloromethane	124-48-1	ND	ND	ND	ND	ND	NA	<5.0	NA
1,2-Dibromoethane	106-93-4	10.53	2.84	5.07	ND	ND	60	<1.0	NA
1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	2000	<2.0	NA
1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	1100	<2.0	NA
1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	8000	NA	NA
Dichlorodifluoromethane	75-71-8	2.87	3.12	3.07	ND	ND	NA	<5.0	NA
1,1-Dichloroethane	75-34-3	ND	ND	ND	ND	ND	5000	<1.0	NA
1,2-Dichloroethane	107-06-2	ND	ND	ND	ND	ND	0.94	<1.0	NA
1,1-Dichloroethene	75-35-4	ND	ND	ND	ND	ND	2000	<1.0	NA
1,2-Dichloroethene (cis)	156-59-2	ND	ND	ND	ND	ND	0.94	<1.0	NA
1,2-Dichloroethene (trans)	156-60-5	ND	ND	ND	ND	ND	0.94	<1.0	NA
1,2-Dichloropropane	78-87-5	ND	ND	ND	ND	ND	40	<1.0	NA
cis-1,3-Dichloropropene	10061-01-5	ND	ND	ND	ND	ND	NA	NA	NA
trans-1,3-Dichloropropene	10061-02-6	ND	ND	ND	ND	ND	6	NA	NA
1,2-Dichlorotetrafluoroethane (Freon 114)	76-14-2	ND	ND	ND	ND	ND	40	<1.0	NA
Ethanol	64-17-5	2.52	ND	1.39	29.00	22.00	NA	<5.0	NA
Ethyl acetate	141-78-6	2.52	ND	1.39	7.60	14.00	32000	NA	NA
Ethylbenzene	100-41-4	2.52	ND	1.39	ND	ND	22	<4.3	NA
4-Ethyltoluene (p-Ethyltoluene)	622-96-8	1.13	ND	ND	ND	ND	NA	NA	NA
n-Heptane	142-82-5	0.82	ND	ND	3.20	ND	NA	<3.4	60
Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	ND	NA	NA	NA
n-Hexane	110-54-3	0.70	ND	ND	5.90	ND	NA	<3.4	60
Isopropyl alcohol (2-Propanol)	67-63-0	1.29	1.29	2.26	ND	5.40	NA	<1.5	NA
Methylene chloride	75-09-2	1.29	1.29	2.26	ND	ND	NA	<3.4	60
4-Methyl-2-pentanone (MIBK)	108-10-1	ND	ND	ND	ND	ND	NA	NA	NA
MTBE (Methyl *tert*-butyl ether)	1634-04-4	1.33	1.33	2.34	ND	ND	NA	<3.4	60
Propylene	115-07-1	1.23	ND	ND	83.00	ND	NA	NA	NA
Styrene	100-42-5	1.23	ND	ND	ND	ND	10000	<1.0	NA
Tertiary butyl alcohol (TBA)	75-65-0	0.88	ND	ND	ND	ND	10000	<1.0	NA
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	ND	ND	ND	0.42	<1.5	NA
Tetrachloroethene (PCE)	127-18-4	9.97	0.61	2.37	16.00	7.70	10000	<1.0	NA
Toluene	108-88-3	7.12	4.79	6.90	7.10	2.80	4000	1.0 - 6.1	NA
1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	20000	NA	NA
1,1,1-Trichloroethane	71-55-6	ND	ND	ND	ND	ND	22000	<2.0 - 2.8	100
1,1,2-Trichloroethane	79-00-5	ND	ND	ND	ND	ND	1.5	<1.0	NA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon TF)	76-13-1	ND	ND	ND	ND	ND	0.42	<1.5	NA
Trichloroethene (TCE)	79-01-6	ND	ND	ND	ND	ND	6	NA	NA
Trichlorofluoromethane (Freon 11)	75-69-4	1.91	1.91	1.80	ND	ND	0.22	<1.7	50
1,2,4-Trimethylbenzene	95-63-6	6.74	1.82	3.24	ND	ND	60	<1.0	NA
1,3,5-Trimethylbenzene	108-67-8	1.62	ND	ND	ND	ND	60	<1.0	NA
2,2,4-Trimethylpentane	540-84-1	ND	ND	ND	ND	ND	NA	NA	NA
Vinyl chloride	75-01-4	ND	ND	ND	ND	ND	3	<1.0	NA
Xylenes (m&p)	1330-20-7	ND	ND	ND	ND	ND	3	<1.0	NA
Xylenes (o)	95-47-6	ND	ND	ND	ND	ND	3	<1.0	NA

Notes:

NA - No guidance value or standard available

NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York

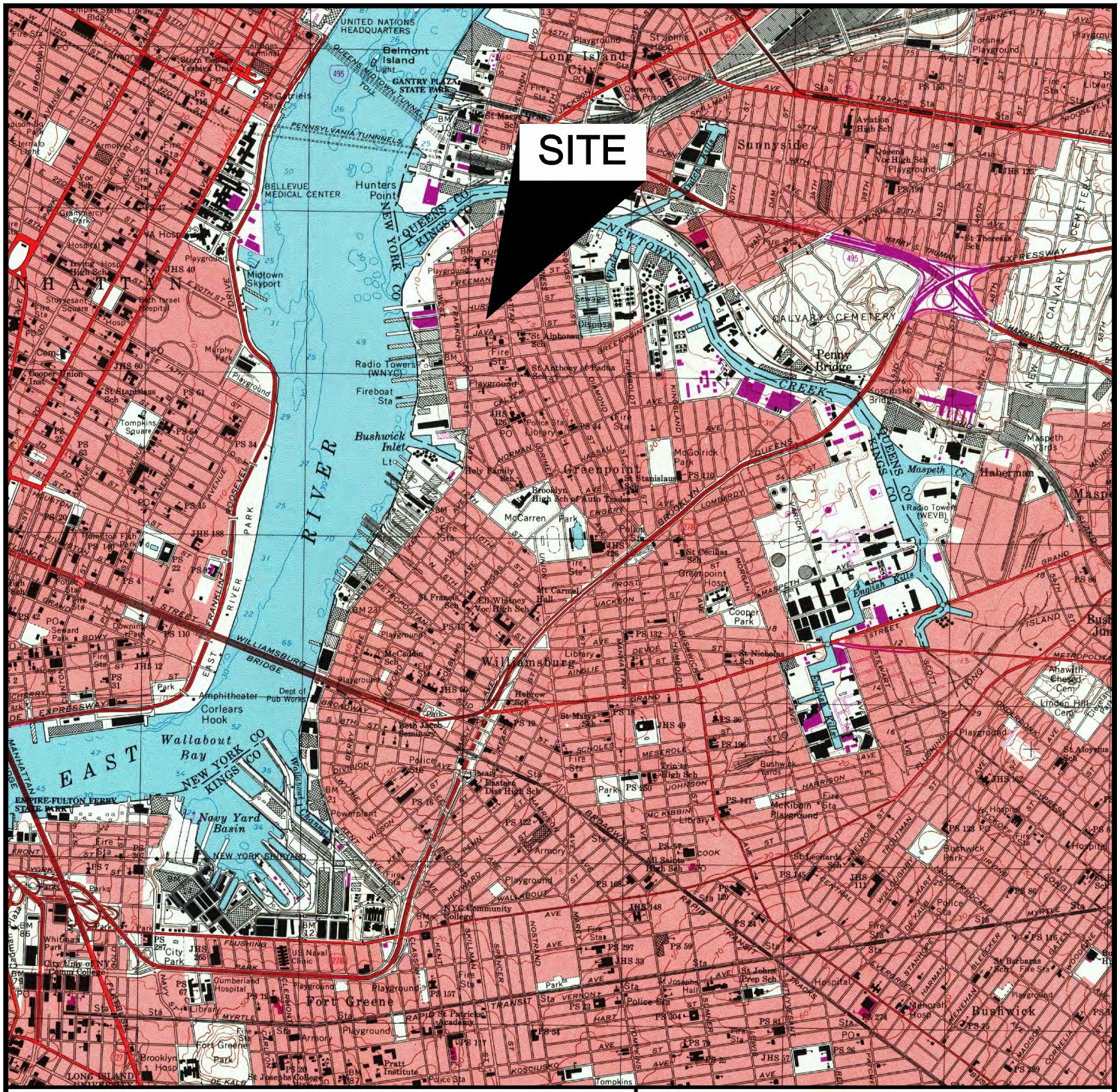
USEPA Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance), Table 2c, Risk=1 $x10^{-6}$

Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.

* - Value detected above NYSDOH Air Guidance Value vapor/Indoor Air Matrix 1 or 2 which would require monitoring

! - Value detected above NYSDOH Air Guidance Value vapor/Indoor Air Matrix 1 or 2 which would require mitigation

FIGURES



SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1995
BROOKLYN, NEW YORK
CONTOUR INTERVAL = 10'

QUADRANGLE LOCATION

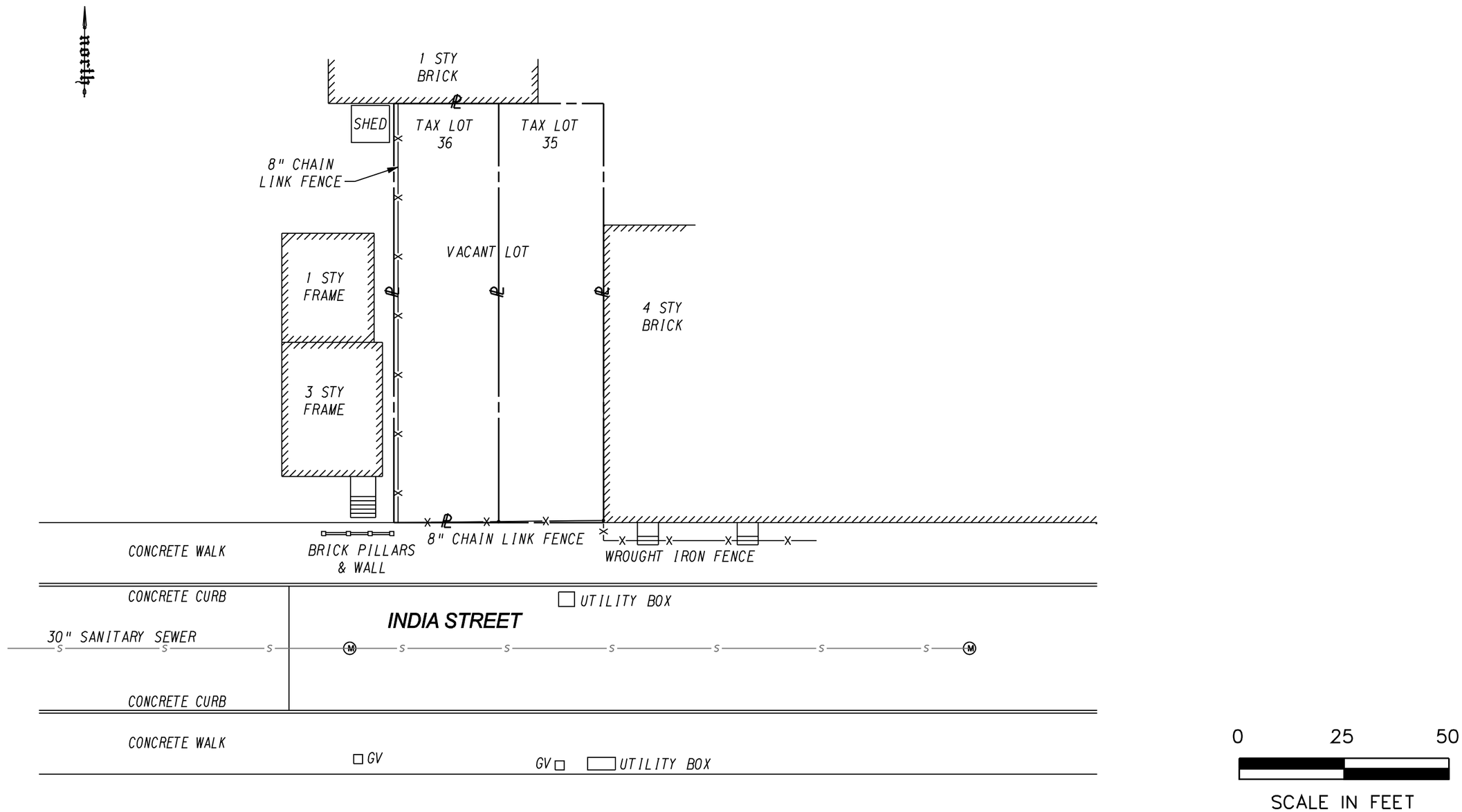
LANDMARK

U.S.G.S. TOPOGRAPHIC MAP

SITE LOCATION MAP

45 INDIA STREET CONDOMINIUMS
BROOKLYN, NEW YORK

SCALE IN FEET	DATE	FIGURE
0 — 1000	10/07/12	1

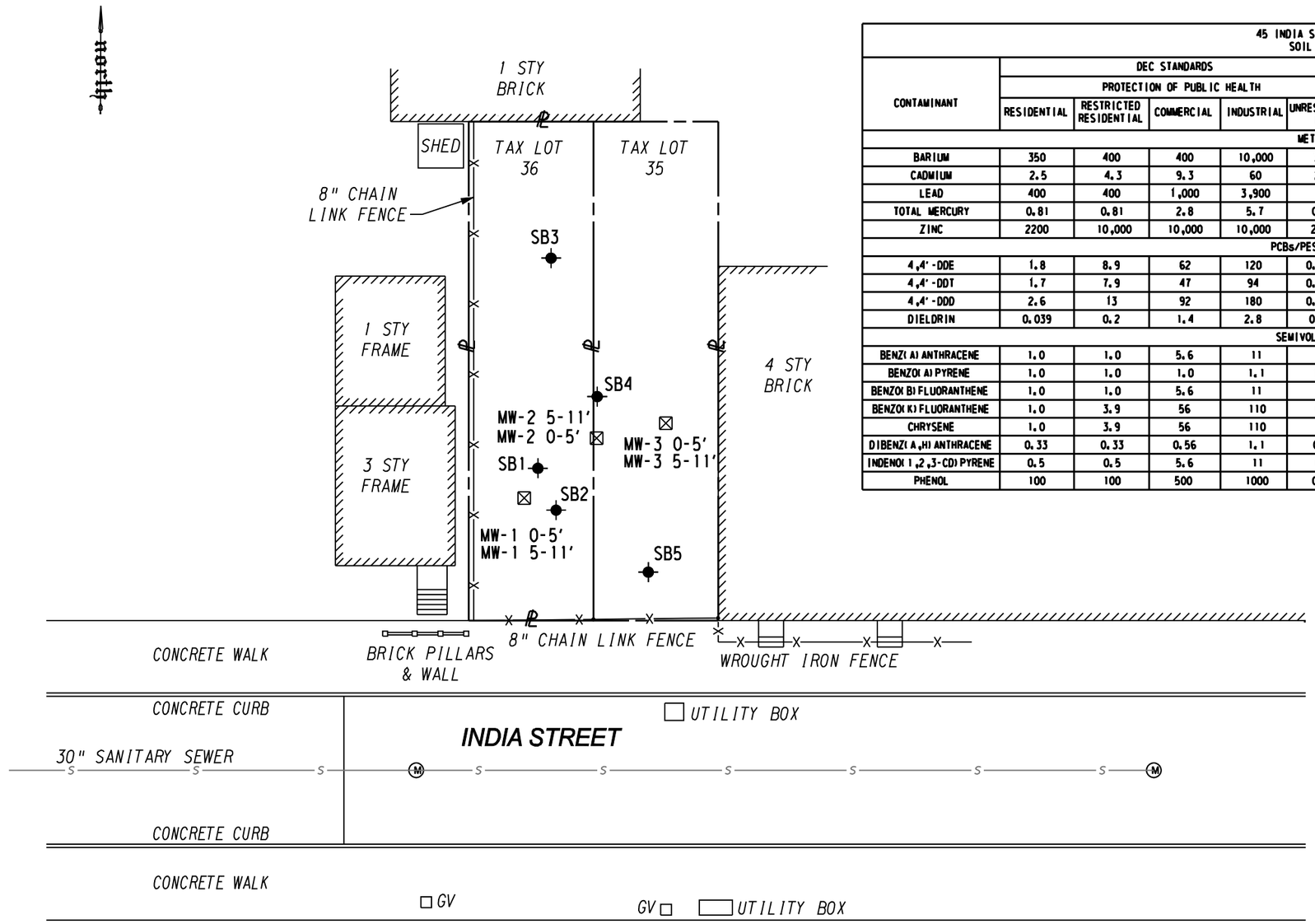


LANDMARK

45 INDIA STREET CONDOMINIUMS
BROOKLYN NEW YORK

SITE LAYOUT PLAN

FIGURE 2



45 INDIA STREET - BROOKLYN, NY
SOIL SAMPLE RESULTS

CONTAMINANT	DEC STANDARDS					ANALYTICAL SAMPLE RESULTS								
	PROTECTION OF PUBLIC HEALTH													
	RESIDENTIAL	RESTRICTED RESIDENTIAL	COMMERCIAL	INDUSTRIAL	UNRESTRICTED USE	MW-1 0-5'	MW-1 5-11'	MW-2 0-5'	MW-2 5-11'	MW-3 0-5'	MW-3 5-11'	SB-3 5.5'-6'	SB-4 5.5'-6'	SB-5 5.5'-6'
METALS														
BARIUM	350	400	400	10,000	350	2440	1070	159	127	388	123	ND	ND	ND
CADMIUM	2.5	4.3	9.3	60	2.5	0.63	14.3	ND	ND	ND	ND	ND	ND	ND
LEAD	400	400	1,000	3,900	63	1560	767	335	192	782	205	ND	ND	ND
TOTAL MERCURY	0.81	0.81	2.8	5.7	0.18	1.6	0.69	1	0.49	0.56	ND	ND	ND	ND
ZINC	2200	10,000	10,000	10,000	2200	1220	319	199	139	446	104	ND	ND	ND
PCBs/PESTICIDES														
4,4'-DDE	1.8	8.9	62	120	0.0033	0.0059	0.006	0.0044	0.0041	0.018	0.007	ND	ND	ND
4,4'-DDT	1.7	7.9	47	94	0.0033	0.25	0.026	0.0068	0.0089	0.12	0.033	ND	ND	ND
4,4'-DDD	2.6	13	92	180	0.0033	0.0092	0.15	0.0045	ND	0.01	0.0036	ND	ND	ND
DIELDRIN	0.039	0.2	1.4	2.8	0.005	0.0085	0.0052	ND	ND	0.019	0.015	ND	ND	ND
SEMIVOLATILES														
BENZ(A)ANTHRACENE	1.0	1.0	5.6	11	1.0	6.5	1	2.1	1.2	16	4	ND	ND	ND
BENZO(A)PYRENE	1.0	1.0	1.0	1.1	1.0	5.3	0.81	1.7	0.98	14	3.6	ND	ND	ND
BENZO(B)FLUORANTHENE	1.0	1.0	5.6	11	1.0	7.1	1.1	2.1	1.3	17	5	ND	ND	ND
BENZO(K)FLUORANTHENE	1.0	3.9	56	110	0.8	2.1	0.34	0.67	0.35	6.9	1.5	ND	ND	ND
CHRYSENE	1.0	3.9	56	110	1.0	5.4	0.79	1.8	1.1	15	3.4	ND	ND	ND
DIBENZ(A,H)ANTHRACENE	0.33	0.33	0.56	1.1	0.33	0.53	ND	ND	ND	1.3	ND	ND	ND	ND
INDENO(1,2,3-CD)PYRENE	0.5	0.5	5.6	11	0.5	1.9	0.32	0.6	0.36	3.5	1.2	ND	ND	ND
PHENOL	100	100	500	1000	0.33	ND	ND	ND	ND	ND	5.3	ND	ND	ND

LEGEND

⊠ SOIL SAMPLE LOCATION

✦ SOIL BORING LOCATION

ND NONE DETECTED

0 25 50

SCALE IN FEET

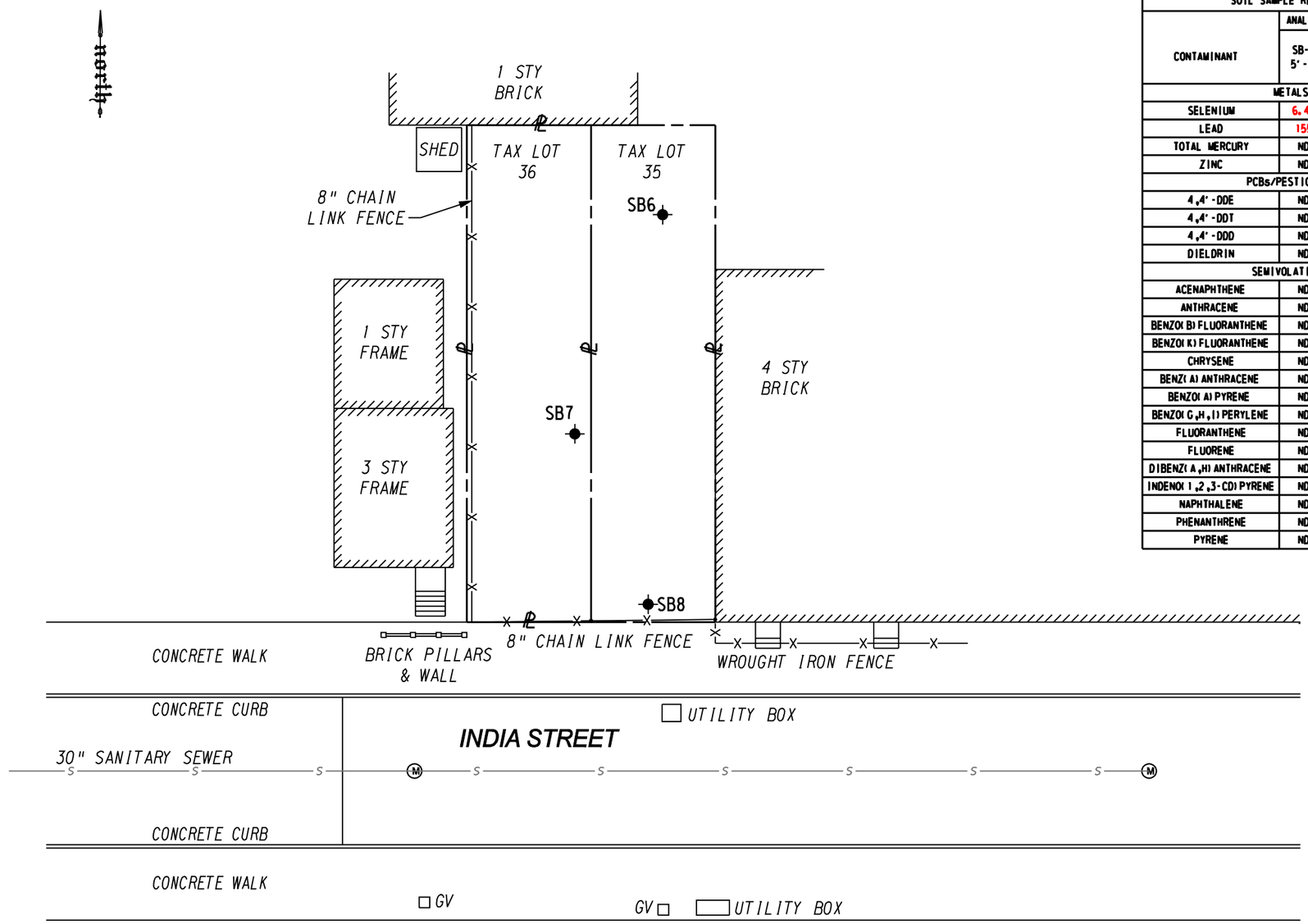
NOTE: SOIL BORINGS SB-1 & SB-2 WERE ANALYZED FOR TCLP METALS ONLY.
ALL RESULTS WERE UNDER MINIMUM DETECTION LEVELS.

LANDMARK

45 INDIA STREET CONDOMINIUMS
BROOKLYN NEW YORK

SOIL SAMPLE LOCATION
AND RESULTS MAP (ROUND 1)

FIGURE 3A



45 INDIA STREET - BROOKLYN, NY SOIL SAMPLE RESULTS			
CONTAMINANT	ANALYTICAL SAMPLE RESULTS		
	SB-6 5'-7'	SB-7 0'-2'	SB-8 0'-2'
METALS			
SELENIUM	6.47	5.38	ND
LEAD	155	528	67
TOTAL MERCURY	ND	0.199	ND
ZINC	ND	422	310
PCBs/PESTICIDES			
4,4'-DDE	ND	17.9	ND
4,4'-DDT	ND	82	ND
4,4'-DDD	ND	3.49	ND
DIELDRIN	ND	2.77	ND
SEMIVOLATILES			
ACENAPHTHENE	ND	172	ND
ANTHRACENE	ND	459	ND
BENZO(B)FLUORANTHENE	ND	819	ND
BENZO(K)FLUORANTHENE	ND	977	ND
CHRYSENE	ND	1070	ND
BENZ(A)ANTHRACENE	ND	1150	ND
BENZO(A)PYRENE	ND	892	ND
BENZO(G,H,I)PERYLENE	ND	377	ND
FLUORANTHENE	ND	1960	ND
FLUORENE	ND	212	ND
DIBENZ(A,H)ANTHRACENE	ND	255	ND
INDENO(1,2,3-CD)PYRENE	ND	435	ND
NAPHTHALENE	ND	151	ND
PHENANTHRENE	ND	1670	ND
PYRENE	ND	1630	ND

LEGEND

SOIL BORING LOCATION

ND NONE DETECTED

0 25 50

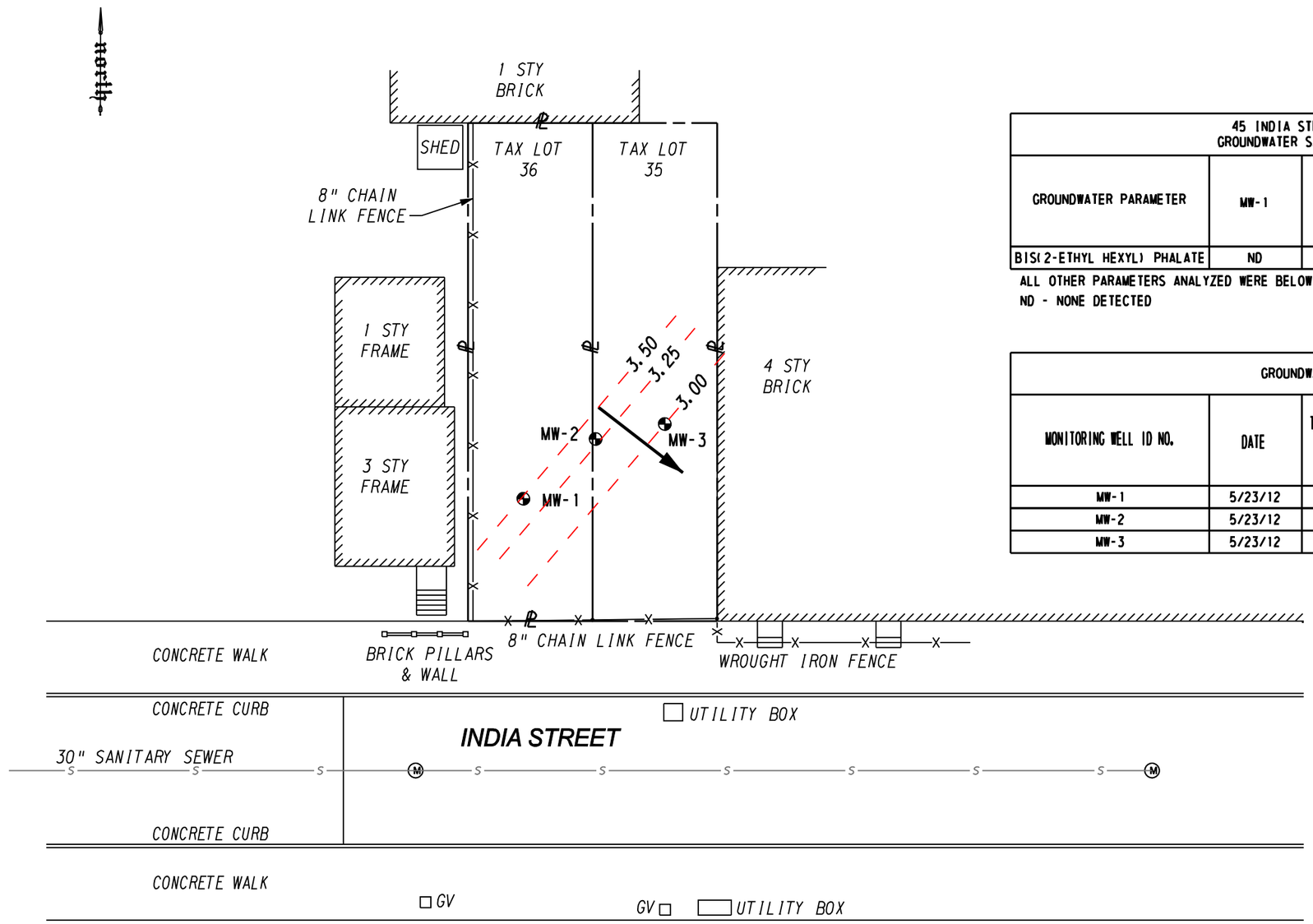
SCALE IN FEET

LANDMARK

45 INDIA STREET CONDOMINIUMS
BROOKLYN NEW YORK

SOIL SAMPLE LOCATION AND RESULTS MAP (ROUND 2)

FIGURE 3B



45 INDIA STREET - BROOKLYN, NY GROUNDWATER SAMPLE RESULTS 5/23/12				
GROUNDWATER PARAMETER	MW-1	MW-2	MW-3	NYSDEC GWQS ug/l
BIS(2-ETHYL HEXYL) PHALATE	ND	5.2	3.7	5

ALL OTHER PARAMETERS ANALYZED WERE BELOW THE NYSDEC GWQS.
ND - NONE DETECTED

GROUNDWATER LEVEL DATA					
MONITORING WELL ID NO.	DATE	TOP OF CASING ELEVATION (FEET)	GROUND ELEVATION (FEET)	DEPTH TO WATER FROM TOP OF CASING (FEET)	GROUNWATER ELEVATION (FEET)
MW-1	5/23/12	10.52	10.78	7.11	3.41
MW-2	5/23/12	10.71	10.91	7.36	3.35
MW-3	5/23/12	10.77	11.00	7.75	3.02

LEGEND

MONITORING WELL LOCATION

INFERRED GROUNDWATER FLOW DIRECTION

—3.00— EXISTING CONTOUR AND ELEVATION IN FEET

0 25 50

SCALE IN FEET

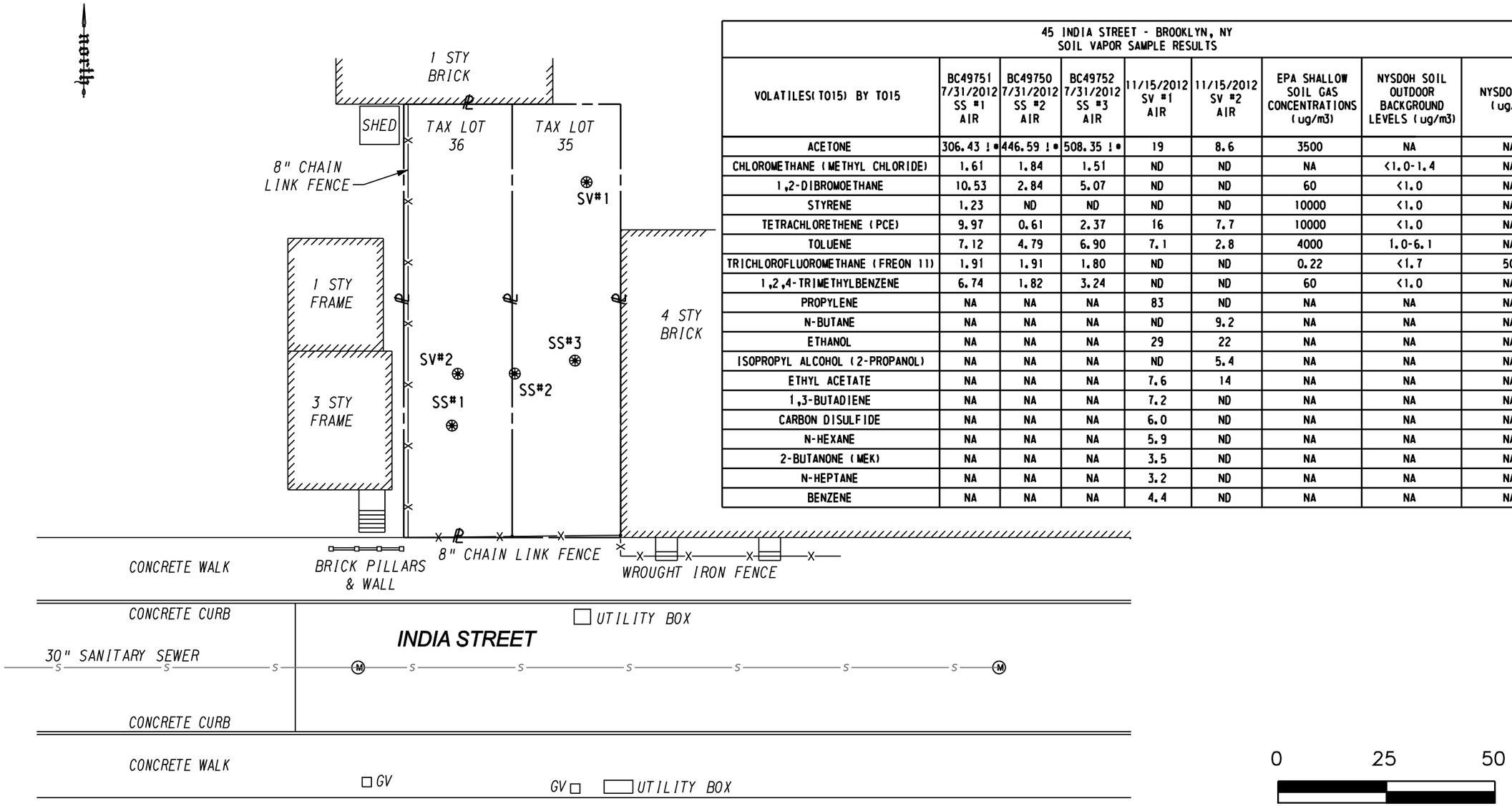
NOTE: MONITORING WELLS WERE TESTED FOR VOLATILE ORGANIC COMPOUNDS AND SEMI VOLATILE ORGANIC COMPOUNDS.

LANDMARK

45 INDIA STREET CONDOMINIUMS
BROOKLYN NEW YORK

GROUNDWATER SAMPLE LOCATION AND RESULTS MAP

FIGURE 4



45 INDIA STREET - BROOKLYN, NY SOIL VAPOR SAMPLE RESULTS								
VOLATILES(TO15) BY TO15	BC49751 7/31/2012 SS #1 AIR	BC49750 7/31/2012 SS #2 AIR	BC49752 7/31/2012 SS #3 AIR	11/15/2012 SV #1 AIR	11/15/2012 SV #2 AIR	EPA SHALLOW SOIL GAS CONCENTRATIONS (ug/m3)	NYSDOH SOIL OUTDOOR BACKGROUND LEVELS (ug/m3)	NYSDOH AIR (ug/m3)
ACETONE	306.43 !•	446.59 !•	508.35 !•	19	8.6	3500	NA	NA
CHLOROMETHANE (METHYL CHLORIDE)	1.61	1.84	1.51	ND	ND	NA	<1.0-1.4	NA
1,2-DIBROMOETHANE	10.53	2.84	5.07	ND	ND	60	<1.0	NA
STYRENE	1.23	ND	ND	ND	ND	10000	<1.0	NA
TETRACHLORETHENE (PCE)	9.97	0.61	2.37	16	7.7	10000	<1.0	NA
TOLUENE	7.12	4.79	6.90	7.1	2.8	4000	1.0-6.1	NA
TRICHLOROFLUOROMETHANE (FREON 11)	1.91	1.91	1.80	ND	ND	0.22	<1.7	50
1,2,4-TRIMETHYLBENZENE	6.74	1.82	3.24	ND	ND	60	<1.0	NA
PROPYLENE	NA	NA	NA	83	ND	NA	NA	NA
N-BUTANE	NA	NA	NA	ND	9.2	NA	NA	NA
ETHANOL	NA	NA	NA	29	22	NA	NA	NA
ISOPROPYL ALCOHOL (2-PROPANOL)	NA	NA	NA	ND	5.4	NA	NA	NA
ETHYL ACETATE	NA	NA	NA	7.6	14	NA	NA	NA
1,3-BUTADIENE	NA	NA	NA	7.2	ND	NA	NA	NA
CARBON DISULFIDE	NA	NA	NA	6.0	ND	NA	NA	NA
N-HEXANE	NA	NA	NA	5.9	ND	NA	NA	NA
2-BUTANONE (MEK)	NA	NA	NA	3.5	ND	NA	NA	NA
N-HEPTANE	NA	NA	NA	3.2	ND	NA	NA	NA
BENZENE	NA	NA	NA	4.4	ND	NA	NA	NA

TEST RESULTS ARE REPORTED IN PPBV.
NA - NOT APPLICABLE
ND - NONE DETECTED
• VALUE DETECTED ABOVE NYSDOH AIR GUIDANCE VALUE VAPOR/INDOOR AIR MATRIX 1 OR 2 WHICH WOULD REQUIRE MONITORING.
! VALUE DETECTED ABOVE NYSDOH AIR GUIDANCE VALUE VAPOR/INDOOR AIR MATRIX 1 OR 2 WHICH WOULD REQUIRE MITIGATION.

LEGEND

⊛ SOIL VAPOR SAMPLE LOCATION

LANDMARK

45 INDIA STREET CONDOMINIUMS
BROOKLYN NEW YORK

SOIL VAPOR SAMPLE LOCATION AND RESULTS MAP

FIGURE 5

APPENDIX A

Phase I ESA Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Subject Property:

45 India Street Condominiums
45 India Street
Brooklyn, New York 11222
Block No. 2531 Lot No. 35/36

Prepared For:

Jimmy Tuohy & Giles Cooper
33-35 South 8th St
Brooklyn, NY 11249

April 2012

Prepared By:

LANDMARK

Landmark Consultants Corp.
528 Leonard Street
Brooklyn, NY 11222
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4.0 SITE RECONNAISSANCE

4.1 Methodology and Limiting Conditions

A site reconnaissance was conducted to identify RECs in connection with the Subject Property. The site reconnaissance was conducted in a systematic manner by qualified environmental professionals focusing on the spatial extent of the Subject Property and then progressing to the adjacent and surrounding properties.

The assessment of the adjacent and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures. A description of the observed adjacent and surrounding properties is provided in Section 2.2.

4.1.1 Date and Time of Inspections

The site visit was conducted on April 3, 2012 from 11 AM to 12 PM. The weather at the time of the site reconnaissance was sunny and approximately 65°F with good visibility.

4.1.2 Individuals Conducting Site Inspection

The inspection of the Subject Property and adjacent areas was conducted by Mr. Jim Scerra, who was accompanied by Mr. Andrew Gasparro.

4.2 General Site Setting and Reconnaissance Observations

At the time of the reconnaissance, the Subject Property was a vacant lot that is used for the storage of construction equipment, related supplies, and vehicles. Photographs taken at the time of the site reconnaissance are presented in Appendix A.

Buildings, Other Structures, Foundations
No buildings or foundations were observed at the Subject Property. The Subject Property is gravel-covered.

Asbestos-Containing Materials
No signs of asbestos-containing materials were observed at the Subject Property. An asbestos-containing material (ACM) survey was not part of the scope of services for this ESA.

Lead-Based Paint

Storm Drains, Wells, and Cisterns
Storm drains are located within the paved parking lot of the Subject Property.

Liquid Discharge
No visible evidence of liquid discharges suspected to represent an environmental concern on or from the Subject Property was observed during the site visit.

Air Emissions or Wastewater Discharges
No smoke stacks were observed on the Subject Property or adjacent properties.

Electromagnetic Fields (EMFs)
Landmark did not observe evidence of high voltage towers and power lines on or adjacent to the Subject Property.

Chemically Distressed, Discolored, or Stained Vegetation
No evidence of chemically distressed, discolored, or stained vegetation was observed on the Subject Property.

Stained or Discolored Soils
Stained or discolored soils were not observed at the Subject Property.

Site Reconnaissance Conclusions
The site reconnaissance did not reveal anything that is indicative of a REC.

5.0 USER PROVIDED INFORMATION

As per the ASTM E1527-05 guidance, a questionnaire was provided to Mr. Martin Loughlin (the User) in order to obtain specialized User knowledge. The questionnaire was completed by Mr Loughlin on August 29, 2008.

Based on the completed questionnaire, Mr. Loughlin reported that he was unaware of any past or present environmental cleanup liens, AULs, presence or potential presence of environmental contamination, specific chemicals, spills, or chemical releases at the Subject Property. Mr. Loughlin has no specialized knowledge or experience related to this property or nearby properties and believes that the purchase price for the Subject Property reasonably reflects the fair market value. No further information regarding these indicators or the above mentioned was provided. A copy of the completed questionnaire is provided in Appendix H.

An owner/operator questionnaire was completed by Louis Tancredi, owner of Cutting Edge Metal Works, Inc. Mr. Tancredi is unaware of any possible violation of environmental laws or pending, threatened or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property. Mr. Tancredi does not have the contact information for the prior owner, operator, or facility manager. Prior environmental are not known to exist for the Subject Property. A copy of the owner questionnaire is included in Appendix H.

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EXECUTIVE SUMMARY

Landmark Consultants, Inc. (Landmark) was retained by Giles Cooper ("User") to prepare a Phase I Environmental Site Assessment (ESA) of the approximately 2,500 square foot vacant property located at 45 India Street, in Brooklyn, New York (the "Subject Property") and identified on tax maps as Block 2531, Lot 35. The Subject Property is bounded by residential buildings to the north, east, and west, and India Street to the south, then a multi-family dwelling.

This Phase I ESA was conducted in general accordance with the American Society for Testing Materials (ASTM) Practice E1527-05 (*Standard Practice for ESA: Phase I ESA Process*) and the United States Environmental Protection Agency's (USEPA) All Appropriate Inquiry (AAI) Rule. The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-05 as a recognized environmental condition (REC). The presence of a REC does not necessarily mean that environmental remediation is required, only that the condition must be further addressed.

We have performed a Phase I Environmental Site Assessment for the property located at 45 India Street in the Borough of Brooklyn, Kings County, New York, in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312). Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of RECs in connection with the property.

In addition, Landmark has identified the following Business Environmental Risk (BER):

- The Subject Property was identified as an "E"-Designation site. Lots designation with an "E" have been identified on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts. Information in the "E"-Designation database indicates that in the description of the Subject Property, the "Underground Gasoline Storage Tanks Testing Protocol" is recommended. However, it is important to note that this designation does not necessarily indicate subsurface contamination has been identified at the Subject Property. In addition, three groundwater monitoring wells have been installed on the Subject Property, which will be sampled for various parameters. Therefore, Landmark recommends that the on-site wells be sampled, as planned.

1.0 INTRODUCTION

Landmark Consultants, Inc. (Landmark) was retained by Giles Cooper ("User") to complete a Phase I Environmental Site Assessment (ESA) for the property located at 45 India Street in Brooklyn, New York (the "Subject Property"). This Phase I ESA has been performed in general accordance with the American Society for Testing Materials (ASTM) Standard Practice for Environmental Site Assessments E1527-05 and the guidelines set forth in the Environmental Protection Agency's (EPA's) All Appropriate Inquiry (AAI) Rule.

1.1 Purpose

The purpose of this ESA is to identify Recognized Environmental Conditions (RECs) in connection with the Subject Property, as defined in *The Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-05*, which states:

> "The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

1.2 Scope of the ESA

This ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with ASTM E1527-05. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-05 are noted in Section 6.0 of this report. In general, the scope of this assessment consisted of reviewing readily available records maintained by federal, state, and local regulatory agencies; reviewing readily available information and environmental data relating to the Subject Property; interviewing and obtaining information from the User and readily available persons knowledgeable about the Subject Property; and conducting a site visit. The specific scope of this assessment included the following:

1. A site reconnaissance to inspect on-site conditions and assess the Subject Property's location with respect to surrounding property uses and natural surface features. Photographs taken as part of the site reconnaissance are provided in Appendix A.

2. A review of readily available environmental databases maintained by the United States Environmental Protection Agency (USEPA), state, and local agencies within the approximate minimum search distance. The environmental database report is provided by Environmental Data Resources, Inc. (EDR) and a copy of the report is included in Appendix B.

3. Freedom of Information Act (FOIA) requests were sent to federal, state, and local agencies. Copies of the FOIA requests are included in Appendix C.

4. A review of physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils, and hydrologic data.

5. A review of published radon occurrence maps to determine whether or not the Subject Property is located in an area with a propensity for elevated radon levels.

6. A review and interpretation of aerial photographs, historical topographic maps, city directories, and Sanborn Fire Insurance Maps to identify previous activities on and in the vicinity of the Subject Property. Copies are included in Appendices D, E, F and G, respectively.

7. Conducting an Environmental Lien search for the Subject Property. A copy of the Environmental Lien Search Report is included as Appendix H.

10. Questionnaires were provided to the User and Owner/Operator for the Subject Property and persons knowledgeable about the Subject Property were interviewed. A copy of the completed questionnaires is included as Appendix I.

1.3 Assumptions, Limitations, and Exceptions

This Phase I ESA report was prepared for Giles Cooper for the potential development of the Subject Property located in Brooklyn, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Landmark cannot assume responsibility for use of this report for any property other than the Subject Property addressed herein, or by any third party without a written authorization from Landmark.

Landmark's scope of services, which is described in Section 1.2, was limited to that agreed to with House of Spices, Inc. and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort comports to those prescribed in the ASTM Standard E1527-05. In addition, exploratory borings and sampling and laboratory analyses of soil and groundwater were performed by Landmark as part of the scope of services.

This Phase I ESA was not intended to be a definitive investigation of possible environmental impacts at the Subject Property. The purpose of this investigation was limited to determining if there is reason to

suspect the possibility of RECs at the Subject Property. It should be understood that even the most comprehensive Phase I ESA may fail to detect environmental liabilities at a particular site. Therefore, Landmark cannot "insure" or "certify" that the Subject Property is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by our client, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-05 and are intended exclusively for the purpose stated herein, at the specified Subject Property, as it existed at the time of our site visit.

2.0 SITE DESCRIPTION

2.1 Location and Description

The approximately 2,500 square feet Subject Property, identified on tax maps as Block 2531, Lot 35, is located at 45 India Street in Brooklyn, New York. The Subject Property is located in a predominantly residential area and is bordered by multi-family residential buildings to the north, east, and west, and India Street, then a multi-family residential building to the south.

Based on our review of published topographic data (United States Geological Survey [USGS] Brooklyn Quadrangle Topographic Map, 1995), the topographic slope is in a westerly direction towards the East River, which is located approximately 850 feet west of the Subject Property. The Subject Property is topographically lower with respect to adjacent and surrounding properties to the east.

2.2 Surrounding Area General Characteristics

Based on visual observations of the surrounding area during the vicinity reconnaissance, the Subject Property is located in a predominantly industrial area.

2.3 Current Use of the Site

The Subject Property is a vacant lot. Currently, the Subject property is used to store construction equipment. Reconnaissance photographs taken during the site inspection are included in Appendix A.

2.4 Description of Site Improvements

Observed site improvements are summarized in Table 1:

TABLE 1

SITE IMPROVEMENTS	
Size of the Site (approximate)	2,500 square feet
Buildings/Spaces/Structures	None
Unimproved Areas (approximate)	The entire site is unimproved
Surface Water	N/A
Potable Water Source	City of New York
Sanitary and Storm Sewer Utilities	City of New York
Electrical Utilities	Consolidated Edison Company of NY, Inc.
Construction Completion Date	N/A
Construction Type	N/A
Cooling and Ventilation System Type	N/A
Heating System Type	N/A
Emergency and/or Additional Power	N/A

N/A = Not Applicable

2.5 Current Use of Adjoining Properties

Adjoining properties are generally characterized by industrial development. Adjoining property uses as observed during the vicinity reconnaissance are summarized below:

North
The Subject Property is bordered to the north by a multi-family residential building, with frontage along Huron Street.

East
The Subject Property is bordered to the east by a multi-family residential building.

South
The Subject Property is bordered to the south by India Street, then a multi-family residential building.

West
The Subject Property is bordered by to the west by a multi-family residential building.

Potential Environmental Concerns

No Potential Environmental Concerns were noted with respect to the adjoining properties.

3.0 RECORDS REVIEW

3.1 Environmental Database Records

A copy of regulatory database information was provided by EDR. The EDR report, included as Appendix B, provides a listing of sites identified on select federal and state standard source environmental databases within the approximate search radius specified by ASTM E1527-05. Landmark reviewed each environmental database on a record-by-record basis to determine if the sites identified represent a potential for environmental impact to the Subject Property. Landmark also reviewed "Orphan Sites" listed within the report. Orphan Sites are those sites that could not be mapped due to inadequate address information. Any Orphan Sites that were identified by Landmark within the ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are addressed in Sections 3.1.1 and 3.1.2 below. The following Table 2 lists the number of sites by database within the prescribed search radius appearing in the EDR Report.

TABLE 2

DATABASE SUMMARY			
DATABASE REVIEWED (DATE OF GOVERNMENT VERSION)	**MINIMUM SEARCH AREA**	**SITE LISTED**	**NUMBER OF SITES WITHIN MINIMUM SEARCH AREA**
USEPA DATABASES			
Nation Priorities List (NPL) (09/07/2011)	1 Mile Radius	No	0
Delisted NPL (09/07/2011)	1 Mile Radius	No	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS No Further Remediation Action Planned (NFRAP) (12/27/2011)	1/2 Mile Radius	No	1
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS) (08/19/2011)	1 Mile Radius	No	0
RCRA Treatment, Storage, and Disposal Facilities (TSDF) (11/10/2011)	1/2 Mile Radius	No	0
RCRA Generators (11/10/2011)	Subject Property and Adjoining	No	1
Environmental Response Notification System (ERNS) (12/30/2011)	Subject Property	No	0
Engineering Controls (EC) Sites Lists (12/30/2011)	Subject Property	No	0
Institutional Controls (IC) Sites Lists (12/30/2011)	Subject Property	No	0

TABLE 2
(continued)

DATABASE SUMMARY			
DATABASE REVIEWED (DATE OF GOVERNMENT VERSION)	**MINIMUM SEARCH AREA**	**SITE LISTED**	**NUMBER OF SITES WITHIN MINIMUM SEARCH AREA**
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) DATABASES			
Hazardous Waste Disposal Sites (SHWS) and Delisted SHWS (02/22/2012)	1 Mile Radius	No	3
Hazardous Substance Waste Disposal Sites (HSWDS) (02/22/2012)	1/2 Mile Radius	No	0
Leaking Storage Tank (LTANKS) (02/22/2012)	1/2 Mile Radius	No	16
SPILLS Information Database (NY SPILLS) (02/22/2012)	1/8 Mile Radius	Yes	15
Solid Waste or Landfill Facilities (SWF/LF) (01/11/2012)	1/2 Mile Radius	No	6
EC Sites Lists (02/22/2012)	Subject Property	No	0
IC Sites Lists (02/22/2012)	Subject Property	No	0
Voluntary Cleanup Program (VCP) (02/22/2012)	1/2 Mile Radius	No	1
Brownfields (02/22/2012)	1/2 Mile Radius	No	1
Chemical Bulk Storage (CBS) Underground Storage Tank (UST) and Aboveground Storage Tank (AST) Databases (01/03/2012)	Subject Property and Adjoining	No	0
Major Oil Storage Facilities (MOSF) UST and AST Databases (01/03/2012)	Subject Property and Adjoining	No	0
Petroleum Bulk Storage Facilities (PBS) UST and AST Databases (01/03/2012)	1/4 Mile Radius	Yes	25
Registered Drycleaners (DRYCLEANERS) (03/07/2011)	1/8 Mile Radius (N/A)	No	0
EDR (PROPRIETARY) DATABASES			
EDR Former Manufactured Gas Plant (MGP) Sites (N/A)	1 Mile Radius (N/A)	No	5

A summary of sites identified within the prescribed search area is presented below:

3.1.1 Federal Agency Database Findings

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

The CERCLIS database contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. Based on the information and maps provided in the EDR report, one facility is listed on the CERCLIS data base within one mile of the Subject Property and is summarized below:

- Fortune Metal, Inc., located at 239 India Street is 0.42 miles east and upgradient of the Subject Property. This facility is listed as a "removal only" site, indicating no site assessment work needed. A potentially responsible party has been identified. Based on its distance relative to the Subject Property, and status, this CERLCIS is not likely to adversely impact the Subject Property and is not considered a REC.

RCRA Generators

The RCRA Generators database includes selective information on sites that generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. As per ASTM E1527-05, the approximate minimum search distance required for RCRA generators is limited to the Subject Property and adjoining properties. Based on the information and maps provided in the EDR report, no adjacent facilities are listed as RCRA Generator facilities. The nearest RCRA generator site is described below:

- Con Edison, located at India St and West Street, approximately 219 feet west of the Subject property, EPA ID No. NYP004183463, conditionally-exempt SQG, downgradient, no violations;

Based on the distance, relative hydraulic location and information provided in the EDR data base report, it is not likely that the listed RCRA generator site presents a threat to the subsurface at the Subject Property and is not considered an REC.

Other Federal Databases

No National Priority List (NPL), Delisted NPL, CERCLIS-No Further Remediation Action Planned (NFRAP), Environmental Response Notification System (ERNS), Engineering Controls (EC), or Institutional Controls (IC) sites were listed within their respective minimum search distances as specified by ASTM E1527-05.

3.1.2 State Agency Database Findings

Leaking Storage Tank (LTANKS) Database

The LTANKS database contains an inventory of reported leaking storage tank incidents, including leaking underground storage tanks (USTs) and aboveground storage tanks (ASTs). The primary causes of the listed incidents include tank test failures, tank failures, and tank overfills. Based on the EDR report, there are 16 LTANKS sites within approximately 1/2 mile of the Subject Property. However, of the listed sites, 15 have been closed and/or are located topographically down-gradient from the Subject Property (based on inferred groundwater flow), and therefore are not considered RECs. The remaining open LUST Site is located 0.46 mile to the southeast and cross-gradient, and therefore is not considered as a REC.

Spills Database

The Spills database, maintained and updated by the NYSDEC, is an inventory of sites where spills have been identified and reported to the NYSDEC. According to the EDR report, 15 Spills sites were located within the minimum search radius. Of the listed sites, 14 Spill sites have been closed and/or are located topographically down-gradient of the Subject Property. Details of the remaining active (open) Spill site are as follows:

Site Name: Commercial Site
Site Address: 32-42 India Street
Spill Number: 0709505
Location: Approximately 181 feet west (downgradient) of Subject Property
Details:

- A subsurface investigation conducted at this property identified suspect USTs and associated soil contamination. The latest information indicates that as of January 2008, the NYSDEC requires additional remediation.

Based on its proximity and relative hydraulic location, this spill at 32-42 India Street is unlikely to adversely impact soil vapor and groundwater at the Subject Property and does not constitutes as a REC.

Petroleum Bulk Storage (PBS) UST and AST Databases

The PBS UST and AST databases list sites with registered petroleum bulk storage USTs and/or ASTs. 25 Registered USTs and ASTs are located within the search radius. Only three of these UST facilities are located within 1,000 feet of the Subject Property and are summarized below:

- Huxley Envelope Corp. 145 West Street, 230 feet west of the Subject Property, is listed with a closed in place, 20,000-gallon No. 2 fuel oil UST. The reported date of installation is September 1, 1970.
- Oscar's Service Station, 193 Franklin Street is located 573 feet north-northeast and hydraulically cross-gradient of the Subject Property. Eight USTs are registered, and are listed as "closed-removed." No active USTs are listed at this facility.
- Deven Lithographers, 15 Huron Street, is located 713 feet west-northwest and cross-gradient of the Subject Property. According to the EDR report, one (1), 5,000-gallon UST for #2 fuel oil is registered at this property.

Based on the distance, hydraulic position relative to the Subject Property, and lack of reported releases that have not been previously addressed, these facilities do not constitute as RECs.

State SWF/LF

The State Solid Waste Facilities/Landfill/Recycling Sites records typically contain an inventory of solid waste disposal facilities or landfills in New York. A review of the SWF/LF list, as provided by EDR has revealed 6 sites within approximately 0.5 miles of the Subject Property. However, all of these SWLF sites are >2,000 feet from the Subject Property. In addition, all six are currently inactive. Based on the distance, status, and relative hydraulic location, these SWLF facilities are not expected to have an environmental impact on the Subject Property and is not considered a REC.

Registered Drycleaners

This database includes the listing of all registered dry cleaning facilities. A review of the database, as provided by EDR, has revealed that one dry cleaning facility, Aphrodite Cleaners, is located within 1/4 mile of the Subject Property. However, information in the dry cleaners database indicates that this facility is a drop shop only, indicating that dry cleaning is not actually conducted there. Therefore, this drycleaners is not expected to have an environmental impact on the Subject Property and is not considered a REC.

Voluntary Cleanup Program Sites

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites. One VCP site was identified. 101-105 West Street, located 662 feet south-southwest of the Subject Property, is a 0.2 acre lot used for storage of construction equipment. Historic contamination included semi-VOCs, and metals in soils. A remedial investigation was completed in 2001 and remediation was completed in 2002. Groundwater has not been impacted. Based on the distance, status, and lack of groundwater impact, this VCP site is not expected to have an environmental impact on the Subject Property and is not considered a REC.

Brownfields

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant. One Brownfield site was identified in the database. Huxley Envelope Industrial Site, located 301 feet to the northwest, is presently a manufacturing facility. This site is also considered an "E" designation areas, as defined by the New York City DEP. Groundwater has not been impacted. Based on the distance, status, and lack of groundwater impact, this Brownfield site is not expected to have an environmental impact on the Subject Property and is not considered a REC.

Other State Databases

No Delisted SHWS, Hazardous Waste Disposal Sites (SHWDS), Hazardous Substance Waste Disposal Sites (HSWDS), EC, IC, Chemical Bulk Storage (CBS) UST and AST sites were listed within their respective minimum search distances as specified by ASTM E1527-05.

3.1.3 Other Database Findings

Manufactured Gas Plant (MGP) Database

The MGP database is a proprietary database that includes records of manufactured coal gas plants compiled by EDR. There were 5 MGP sites located within a 1 mile radius of the Subject Property, however, all of these MGPs are located >3,600 feet and are either cross-gradient or downgradient from the Subject Property. Therefore, Based on the distance, and hydraulic relationship relative to the subject property, these MGP sites are not expected to have an environmental impact on the Subject Property and is not considered a REC.

3.1.4 Local Regulatory Agency Findings

E Designation Sites

The Subject Property was identified as an "E"-Designation site. Lots designation with an "E" have been identified on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts. Information in the "E"-Designation database indicates that in the description of the Subject Property, the "Underground Gasoline Storage Tanks Testing Protocol" is recommended. However, it is important to note that this designation does not necessarily indicate subsurface contamination has been identified at the Subject Property. In addition, three groundwater monitoring wells have been installed on the Subject Property, which will be sampled for various parameters. Therefore, Landmark recommends that the on-site wells be sampled, as planned.

Freedom of Information Act Requests

FOIA requests were submitted to the following federal, state, and local agencies via written correspondence:

- New York City Department of Environmental Protection (NYCDEP);
- New York City Department of Health (NYCDOH);
- New York City Fire Department (FDNY);
- New York State Department of Health (NYSDOH);
- NYSDEC; and
- USEPA, Region 2.

The above-mentioned organizations have not yet responded to the FOIA requests. Should pending responses alter the conclusions provided within this report, we will issue the modified conclusions as an addendum to this report. Copies of FOIA requests are included in Appendix C.

3.2 Physical Setting Sources

3.2.1 Topography

Based on the USGS Brooklyn Quadrangle Topographic Map (7.5-minute series), the elevation of the Subject Property is approximately 15 ft. above mean sea level (MSL). The general topographic gradient of the surrounding area slopes west, towards the East River.

3.2.2 Geology

According to the Bedrock Geologic Map of New York, Lower Hudson Sheet (1970), the area surrounding the subject property is underlain by glacial and alluvial deposits of the quaternary period and the bedrock is unknown. Based on a review of the United States Department of Agriculture (USDA) Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as urban land, pavement and buildings, with a till substratum. Soils from this series are characterized as fill.

3.2.3 Hydrogeology and Hydrology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, variability in local geology, and groundwater sources or sinks.

Groundwater near the Subject Property is expected to flow to the west in the direction of the East River. Depth to groundwater is estimated to be between 5 to 15 feet bgs. There are no known sources of potable groundwater in Brooklyn, New York.

3.2.4 Evaluation of Radon Risk Data

Radon is a gas that comes from the breakdown of uranium in soil, rock, and water. It occurs naturally in the earth, but can become a problem when it accumulates in poorly ventilated indoor areas. The EPA recommends that actions be taken to minimize radon exposure when the radon potential in residential areas exceeds 4 pCi/L. The NYSDOH has estimated that 5% of homes in Kings County, NY exceed long-term indoor living area radon concentrations of 4 pCi/L. According to the USEPA Map of Radon Zones, Kings County has a low potential for radon exposure (less than 2 picocuries per liter [pCi/L). It should be noted that the Map of Radon Zones has been compiled as a general guideline and does not necessarily reflect radon concentrations at specific locations. Based on these data, it is unlikely that the radon exposure at the Subject Property will exceed 4 pCi/L.

3.3 Historical Use Information

3.3.1 Previous Reports

No previous Phase I Environmental Site Assessment Reports were provided for Landmark's Review.

3.3.3 Aerial Photographs

Landmark reviewed aerial photographs of the Subject Property and surrounding areas for the years 1954, 1966, 1975, 1985, 1994, and 2006. Copies of aerial photographs are included in Appendix D. Pertinent findings are summarized in Table 3 as follows:

TABLE 3

HISTORICAL AERIAL PHOTOGRAPH SUMMARY	
YEAR	**COMMENTS**
1954	**Site:** The Subject Property is developed with a small building **Surrounding Property:** The surrounding properties appear to be predominantly commercial/industrial. Large warehouses and a seaport along the East River is noted to the west.
1966	**Site:** The Subject Property appears primarily unchanged. **Surrounding Area:** The surrounding area appears primarily unchanged.
1975	**Site:** The Subject Property appears as a vacant lot. **Surrounding Area:** The surrounding area appears primarily unchanged.
1984	**Site:** The Subject Property appears as a vacant lot. **Surrounding Area:** The surrounding area appears primarily unchanged.
1994	**Site:** The Subject Property appears primarily unchanged. **Surrounding Area:** The surrounding area appears primarily unchanged.
2006	**Site:** The Subject Property appears as a vacant lot. **Surrounding Area:** The surrounding area appears primarily unchanged.

Landmark's review of historical aerial photographs identified no potential RECs associated with either the subject property or the surrounding areas.

3.3.4 Sanborn Maps

Landmark reviewed Sanborn Maps for the Subject Property and surrounding areas for the years 1887, 1905, 1916, 1928, 1942, 1951, 1965, and 1978-1982. Sanborn Maps constitute a database of prior site uses of real property for many cities and towns in the United States. Copies of the maps are provided in Appendix H. A summary of the Sanborn Maps is presented in below.

1887, 1905: The Subject Property is developed with a 2-story building that is labeled 'D" for dwelling. The dwelling is located at the southern end of the property, near India Street. The adjacent lots to the north and west are also depicted as dwellings, while the property to the east is undeveloped. Also, a truck house is noted to the northwest in 1887. In 1905, this property is a materials storage warehouse.
1916: The Subject Property is developed with a 2-story building that is labeled "day nursery." The building is located at the southern end of the property, near India Street. The adjacent lots to the north and west are also depicted as dwellings, while the property to the east is undeveloped. Also, the materials storage warehouse is located to the northwest.
1928: No details of the subject property or the surrounding properties are noted on this map.
1942, 1951, 1965: The Subject Property is developed with a 2-story building that is labeled 'D" for dwelling. The dwelling is located at the southern end of the property, near India Street. The adjacent lots to the north, south, and west are also depicted as dwellings. A 35-car garage is located to the northwest. In 1951, this property is labeled as a steel tube warehouse, and in 1965, this is a keg warehouse. Another garage is depicted to the southwest. This garage is equipped with 2 gasoline tanks.
1978-1982: The subject property is a vacant lot. The property to the east is labeled "BR" and the property to the west is labeled as a parking lot. A dwelling is depicted to the south of India Street. A warehouse is depicted to the northwest, and a freight house with two gasoline tanks is depicted to the southwest.

3.3.5 Historical Topographic Quadrangle Maps

Landmark reviewed historical USGS Topographic Quadrangle maps obtained from EDR for information regarding past uses of the Subject Property. Quadrangle maps were available for the years 1900, 1947, 1956, 1967, 1979, and 1995. The following is a brief description of the findings:

1900: The scale on this topographic map prevents any meaningful interpretation. In general, the Subject property and surrounding areas appear developed.
1947: The Subject Property is developed. The docks along the East River are located to the west. The areas north, south and east are developed.
1956, 1967: The Subject Property appears unchanged. Surrounding properties appear primarily unchanged with the exception of the eastern property, which appears vacant.

1979 and 1995: There are no significant changes to the Subject Property or surrounding properties with the exception of a large warehouse has been constructed to the west.

Copies of the topographic maps are provided in Appendix E.

3.3.6 City Directories

The City Directory Abstract obtained from EDR is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five year intervals for the years spanning 1928 through 2005. A copy of the EDR City Directories Abstract is provided in Appendix F.

Based on the available city directory listings, the Subject Property appears to have only residential listings in 1934, 1945, 1949, 1960, and 1965. No listings for the Subject Property were noted after 1965.

The surrounding properties also appear to have been used for residential purposes. Only residential listings are noted for 39 India Street (1934-1997), 41 India Street (1934-1997), 43 India Street (1934-1960), 44 India Street (1928-1992), 46 India Street (1928-1997), 47 India Street (1934-1997), 48 India Street (1934-1997), 49 India Street (1934-1997), 50 India Street (1934-1992), and 52 India Street (1934 only).

3.3.7 Environmental Lien Search

Landmark contracted EDR to conduct an Environmental Lien search for the Subject Property. The results of the search, which included a compilation of available data and verification of the findings with the appropriate regulatory authorities, revealed that there are no Environmental Liens or other Activity and Use Limitations (AULs) associated with the Subject Property. A copy of the Environmental Lien Search is provided in Appendix G.

6.0 ADDITIONAL SERVICES

No additional services were provided as part of this Phase I ESA.

6.1 DEVIATIONS

Landmark has performed a Phase I ESA of the Subject Property utilizing a standard of good commercial and customary practice that is consistent with the ASTM E1527-05 and the 40 Code of Federal Regulations (CFR) Part 312 Standards and Practices for AAI. Significant deviations were not made to the above referenced standards.

7.0 FINDINGS AND OPINIONS

This Phase I ESA was conducted to identify RECs in connection with the Subject Property, as defined in the ASTM E 1527-05 Standard. The presence of a REC does not necessarily mean that environmental remediation is required, only that the condition must be further addressed.

Landmark has prepared this Phase I Environmental Site Assessment (ESA) of the approximately 2,500 square foot vacant property located at 45 India Street, in Brooklyn, Kings County New York (the "Subject Property") and identified on tax maps as Block 2531, Lot 35. The Subject Property is currently a vacant lot and is bounded by residential buildings to the north, east, and west, and India Street to the south, then a multi-family dwelling.

We have performed a Phase I Environmental Site Assessment for the property located at 45 India Street in the Borough of Brooklyn, Kings County, New York, in general conformance with the scope and limitations of ASTM Standard Practice E1527-05 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (40 CFR Part 312). Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of RECs in connection with the property.

8.0 REFERENCES

The following references were reviewed as part of this Phase I ESA:

Environmental Data Resources, Inc. March 28, 2012. Aerial Photo Decade Package, 45 India Street: 1954, 1966, 1975, 1984, 1994, and 2006.

Environmental Data Resources, Inc. March 28, 2012. Sanborn Maps, 45 India Street: 1887, 1905, 1916, 1928, 1942, 1951, 1965, 1978-1982.

Environmental Data Resources, Inc. March 28, 2012. City Directory Abstract, 45 India Street.

Environmental Data Resources, Inc. April 1, 2012. Environmental Lien Search, 45 India Street.

Environmental Data Resources, Inc. . Historical Topographic Map Report, 45 India Street.

Environmental Data Resources, Inc. . Radius Map with GeoCheck, 45 India Street.

Environmental Protection Agency, EPA Map of Radon Zones, http://www.epa.gov/radon/zonemap/newyork.html.

Bedrock Geologic Map of New York, Lower Hudson Sheet, New York State Education Department and New York State Geological Survey, 1970.

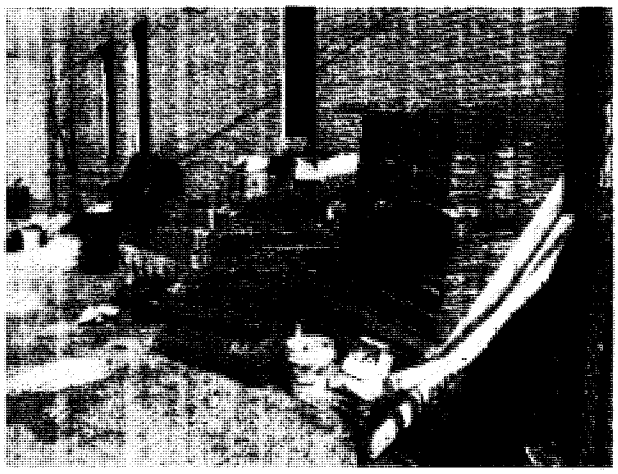
USGS Brooklyn Quadrangle Topographic Map (7.5-minute series), 1995.

Appendix A
Site Reconnaissance Photographs

1. Front of site, facing north

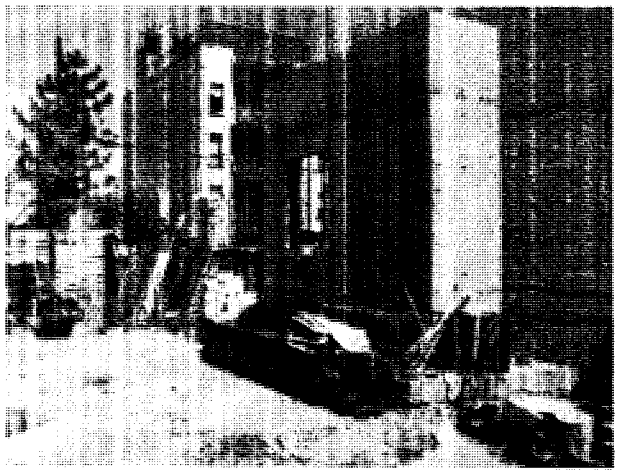
2. Front of site, facing south

3. rear of site, facing north



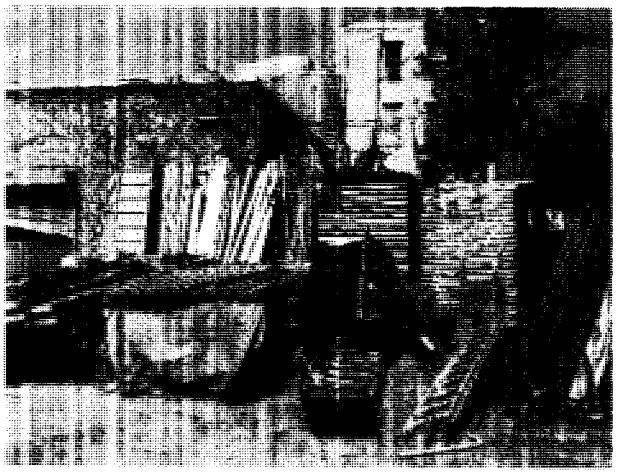
4. Construction materials stored on site, facing northeast

Project Number: 12-1804

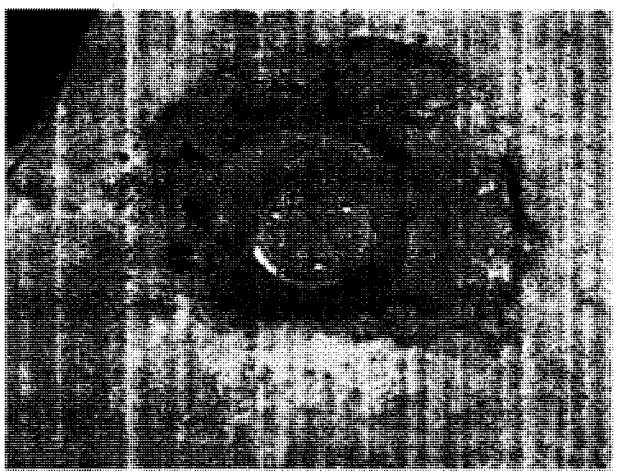


5. Construction materials stored on site, facing northeast

6. Construction materials stored on site, facing northwest



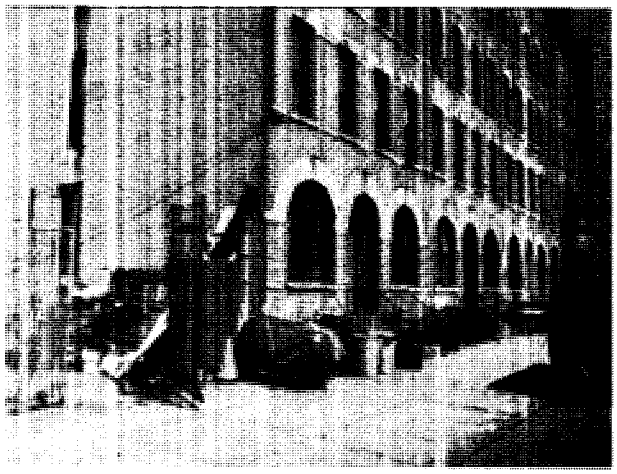
7. Construction materials stored on site, facing west



8. One of the 3 on-site groundwater monitoring wells

9. Monitoring well on site, facing west

10. Adjacent property to the west, multi-family



11. Adjacent property to the east, multi-family

12. Adjacent property to the south, India Street, then multi-family

Appendix B
Environmental Data Resources, Inc Report
(Narrative attached as appendix and entire report included on disk)

45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.2s
March 28, 2012

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

FORM-YAS-LMH

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

45 INDIA STREET
BROOKLYN, NY 11222

COORDINATES

Latitude (North):	40.7319000 - 40' 43' 54.84"
Longitude (West):	73.9588000 - 73' 57' 31.68"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	587923.4
UTM Y (Meters):	4509306.0
Elevation:	13 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

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

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LOT 35,TAXBLOCK 2531 45 INDIA STREET BROOKLYN, NY 11222	E DESIGNATION	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Registry of Engineering Controls
INST CONTROL..... Registry of Institutional Controls
RES DECL..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

ERP..... Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
SWTIRE..... Registered Waste Tire Storage & Facility List
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST AST..... Historical Petroleum Bulk Storage Database

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
LIENS..... Spill Liens Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

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

A review of the CERCLIS list, as provided by EDR, and dated 12/27/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORTUNE METAL INC	***239 INDIA ST***	***E 1/4 - 1/2 (0.418 mi.)***	***123***	***439***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 11/10/2011 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT GREEN STREET SUBSTATI	***GREEN ST & MANHATTAN AVENE***	***1/8 - 1/4 (0.244 mi.)***	***W108***	***326***

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 11/10/2011 has revealed that there are 4 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BROOKLYN WOODWORKERS CO-OP LTD	***61 GREENPOINT AVE 6TH F***	***SSE 1/8 - 1/4 (0.147 mi.)***	***Q79***	***244***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON	INDIA ST & WEST ST	W 0 - 1/8 (0.041 mi.)	B8	28
NYCPR - MONUMENTS FIELD OFFICE	***10 KENT ST***	***SW 1/8 - 1/4 (0.146 mi.)***	***78***	***239***
CON EDISON	NOBLE ST & WEST ST	S 1/8 - 1/4 (0.248 mi.)	X110	334

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the SHWS list, as provided by EDR, and dated 02/22/2012 has revealed that there are 3 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER SPIC AND SPAN CLEANERS	315 KINGSLAND AVENUE	ESE 1/2 - 1 (0.938 mi.)	144	564
Class Code: Significant threat to the public health or environment - action required.				

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER NUHART PLASTIC MANUFACT	280 FRANKLIN STREET	N 1/4 - 1/2 (0.258 mi.)	111	335
Class Code: Significant threat to the public health or environment - action required.				
K - WILLIAMSBURG WORKS	KENT AVE & 12TH STREET	S 1/2 - 1 (0.608 mi.)	138	558

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

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

A review of the SWF/LF list, as provided by EDR, and dated 01/11/2012 has revealed that there are 6 SWF/LF sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MICHAEL FERONE (BRICK) CO.	247 GREENE ST	ENE 1/4 - 1/2 (0.397 mi.)	AA121	436
LOSTRITTO & CALANDRILLO CORP.	1-23 MESEROLE AVE	S 1/4 - 1/2 (0.442 mi.)	AB125	456
MANHATTAN AVE. RECYCLING CORP.	***1166 MANHATTAN AVE.***	***NNE 1/4 - 1/2 (0.459 mi.)***	***AD131***	***524***
NEW YORK RECYCLERS; INC.(MANHA	1166-68 MANHATTAN AVENU	NNE 1/4 - 1/2 (0.459 mi.)	AD132	528
ECONOMY CONTAINER SERVICE	***23 ASH ST***	***NNE 1/4 - 1/2 (0.482 mi.)***	***AE135***	***549***
PRONTO DEMOLITION CORP.	73 PROVOST ST	ENE 1/4 - 1/2 (0.490 mi.)	137	557

State and tribal leaking storage tank lists

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

A review of the LTANKS list, as provided by EDR, and dated 02/22/2012 has revealed that there are 16 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
132-140 GREEN STREET	***132-140 GREEN STREET***	***NE 1/8 - 1/4 (0.181 mi.)***	***86***	***264***
Date Closed: 4/11/2003				

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
111 MILTON STREET Date Closed: 1/27/1994	***111 MILTON STREET***	***SSE 1/8 - 1/4 (0.214 mi.)***	***V99***	***299***
203 JAVA ST. Date Closed: 6/10/1993	***203 JAVA ST***	***E 1/4 - 1/2 (0.332 mi.)***	***112***	***338***
MERIT OIL CORP Date Closed: 10/28/2003	***210 GREENPOINT AVE***	***ESE 1/4 - 1/2 (0.381 mi.)***	***118***	***407***
UNKNOWN	***100 MESEROLE AVE***	***SE 1/4 - 1/2 (0.457 mi.)***	***130***	***512***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE CORP Date Closed: 12/2/1994 Date Closed: 12/2/1994	***145 WEST ST***	***W 0 - 1/8 (0.044 mi.)***	***B12***	***35***
CROSSTOWN BUS DEPOT Date Closed: 1/30/2004	***65 COMMERCIAL STREET***	***NNE 1/4 - 1/2 (0.361 mi.)***	***Y113***	***341***
CONSOLIDATED FREIGHTWAYS Date Closed: 3/6/2003	***11 WEST STREET***	***S 1/4 - 1/2 (0.372 mi.)***	***Z117***	***369***
77 COMMERCIAL STREET Date Closed: 4/9/2003	***77 COMMERCIAL STREET***	***NNE 1/4 - 1/2 (0.388 mi.)***	***119***	***430***
FORMER WASTE TRANSFER STATION Date Closed: 1/27/2005	247-251 GREEN ST	ENE 1/4 - 1/2 (0.397 mi.)	AA120	434
WH CHRISTIAN & SONS Date Closed: 3/3/2003	***31 FRANKLIN ST***	***S 1/4 - 1/2 (0.398 mi.)***	***122***	***437***
WH CHRISTIAN & SONS Date Closed: 12/15/2009	***22-28 FRANKLIN ST***	***S 1/4 - 1/2 (0.424 mi.)***	***AB124***	***442***
Not reported Date Closed: 6/13/2003	***64 BOX ST***	***NNE 1/4 - 1/2 (0.443 mi.)***	***126***	***457***
EXXON TERMINAL Date Closed: 3/30/1995 Date Closed: 12/27/2002 **Additional key fields are available in the Map Findings section*	***320 FREEMAN STREET***	***ENE 1/4 - 1/2 (0.455 mi.)***	***AC128***	***470***
WH CHRISTIAN & SONS Date Closed: 5/26/2005	***211-217 BANKER ST***	***SSE 1/4 - 1/2 (0.479 mi.)***	***133***	***528***
29 ASH ST Date Closed: 4/3/2003 Date Closed: 7/18/2003	***29 ASH ST***	***NNE 1/4 - 1/2 (0.489 mi.)***	***AE136***	***551***

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 11 HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
132-140 GREEN STREET Date Closed: / /	***132-140 GREEN STREET***	***NE 1/8 - 1/4 (0.181 mi.)***	***86***	***264***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
111 MILTON STREET Date Closed: 01/27/94	111 MILTON STREET	SSE 1/8 - 1/4 (0.214 mi.)	V100	303
203 JAVA ST. Date Closed: 06/10/93	***203 JAVA ST***	***E 1/4 - 1/2 (0.332 mi.)***	***112***	***338***

Lower Elevation	Address	Direction / Distance	Map ID	Page
145 WEST STREET Date Closed: 12/02/94 Date Closed: 12/02/94	145 WEST STREET	W 0 - 1/8 (0.044 mi.)	B13	56
65 COMMERCIAL ST/BKLYN Date Closed: / /	65 COMMERCIAL STREET	NNE 1/4 - 1/2 (0.361 mi.)	Y114	358
11 WEST STREET Date Closed: / /	***11 WEST STREET***	***S 1/4 - 1/2 (0.372 mi.)***	***Z116***	***366***
WH CHRISTIAN & SONS Date Closed: / /	***31 FRANKLIN ST***	***S 1/4 - 1/2 (0.398 mi.)***	***122***	***437***
WH CHRISTIAN & SONS Date Closed: / /	***22-28 FRANKLIN ST***	***S 1/4 - 1/2 (0.424 mi.)***	***AB124***	***442***
Not reported Date Closed: / /	***64 BOX ST***	***NNE 1/4 - 1/2 (0.443 mi.)***	***126***	***457***
320 FREEMAN ST/BKLY/EXXON Date Closed: / / Date Closed: / /	***320 FREEMAN STREET***	***ENE 1/4 - 1/2 (0.455 mi.)***	***AC127***	***460***
29 ASH ST Date Closed: / / Date Closed: / /	***29 ASH ST***	***NNE 1/4 - 1/2 (0.489 mi.)***	***AE136***	***551***

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 01/03/2012 has revealed that there are 8 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
101 GREENPOINT AVE.	101 GREENPOINT AVENUE	SE 1/8 - 1/4 (0.190 mi.)	R87	267
GREENPOINT CORP.	111 GREENPOINT AVE	SE 1/8 - 1/4 (0.207 mi.)	R91	285
128-130 GREENPOINT AV	128-130 GREENPOINT AVEN	SE 1/8 - 1/4 (0.210 mi.)	S93	289
ST. ELIAS GREEK RITE ROMAN CAT	147 KENT STREET	ESE 1/8 - 1/4 (0.212 mi.)	T96	294

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE CORP	***145 WEST ST***	***W 0 - 1/8 (0.044 mi.)***	***B12***	***35***
OSCAR'S SERVICE STATION INC	***193 FRANKLIN ST***	***NNE 0 - 1/8 (0.109 mi.)***	***L69***	***205***
DEVEN LITHOGRAPHERS, INC.	***15 HURON STREET***	***WNW 1/8 - 1/4 (0.135 mi.)***	***77***	***236***
EAGLE STREEET ASSOC.	***48 EAGLE STREET***	***N 1/8 - 1/4 (0.199 mi.)***	***89***	***272***

MOSF UST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the MOSF UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 MOSF UST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH FIRST STREET FUEL OIL TE	***214 KENT AVENUE***	***E 1/4 - 1/2 (0.365 mi.)***	***115***	***359***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXXON COMPANY USA	***320 FREEMAN STREET***	***ENE 1/4 - 1/2 (0.455 mi.)***	***AC129***	***481***

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

A review of the AST list, as provided by EDR, and dated 01/03/2012 has revealed that there are 17 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
53 INDIA ST.	53 INDIA STREET	ENE 0 - 1/8 (0.019 mi.)	A4	16
65 JAVA STREET	***65 JAVA STREET***	***SSE 0 - 1/8 (0.047 mi.)***	***C16***	***63***
KENT TRANS AMERICA CLOTHING CO	***122 WEST ST***	***SSW 0 - 1/8 (0.064 mi.)***	***F33***	***112***
74 INDIA	***74 INDIA ST***	***E 0 - 1/8 (0.069 mi.)***	***42***	***135***
MICHAEL PISTILLI	***85 JAVA ST***	***ESE 0 - 1/8 (0.075 mi.)***	***43***	***138***
KENT STREET PUMP HOUSE #2		***S 0 - 1/8 (0.097 mi.)***	***J55***	***167***
MICHAEL GUT	114 JAVA STREET	ESE 0 - 1/8 (0.125 mi.)	72	223
MADIS GREENPOINT REALTY CO	***96 WEST ST***	***S 1/8 - 1/4 (0.134 mi.)***	***P76***	***232***
GUARD GENERAL MERCHANDISE CO	***61 GREENPOINT AVE***	***SSE 1/8 - 1/4 (0.147 mi.)***	***Q80***	***250***
129 HURON ST	***129 HURON ST***	***ENE 1/8 - 1/4 (0.147 mi.)***	***81***	***254***
223 FRANKLIN ST	***223 FRANKLIN ST***	***N 1/8 - 1/4 (0.196 mi.)***	***88***	***269***
A JOCHNOWITZ	151 JAVA ST	E 1/8 - 1/4 (0.213 mi.)	U98	297
APARTMENT HOUSE	***168 HURON STREET***	***ENE 1/8 - 1/4 (0.221 mi.)***	***101***	***304***
982 MANHATTAN AVE	982 MANHATTAN AVENUE	ENE 1/8 - 1/4 (0.223 mi.)	103	310
ALEKSANDRA CHODOWIEC	161 JAVA STREET AP. 1	E 1/8 - 1/4 (0.240 mi.)	105	314

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE CORP	***145 WEST ST***	***W 0 - 1/8 (0.044 mi.)***	***B12***	***35***
M C N DESIGN LLC	61-65 GREEN STREET	NNW 0 - 1/8 (0.104 mi.)	K66	200

MOSF AST: Major Oil Storage Facilities Database. Facilities are licensed pursuant to Article 12 of the Navigation Law, 6 NYCRR Part 610 and 17 NYCRR Part 30. These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater. Includes MOSF's licensed or closed since April 1, 1986, (responsibility was transferred from DOT on October 13, 1985) plus available data obtained from DOT facilities licensed since Article 12 became law on April 1, 1978.

A review of the MOSF AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 MOSF AST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NORTH FIRST STREET FUEL OIL TE	*214 KENT AVENUE*	*E 1/4 - 1/2 (0.365 mi.)*	*115*	*359*

Lower Elevation	Address	Direction / Distance	Map ID	Page
EXXON COMPANY USA	*320 FREEMAN STREET*	*ENE 1/4 - 1/2 (0.455 mi.)*	*AC129*	*481*

State and tribal voluntary cleanup sites

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

A review of the VCP list, as provided by EDR, and dated 02/22/2012 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
101-105 WEST STREET	101-105 WEST STREET, BR	SSW 1/8 - 1/4 (0.125 mi.)	M73	225

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A review of the BROWNFIELDS list, as provided by EDR, and dated 02/22/2012 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE INDUSTRIAL SIT	155 WEST STREET	NW 0 - 1/8 (0.057 mi.)	G29	103

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the SWRCY list, as provided by EDR, and dated 01/11/2012 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
POLYSTYRENE RECYCLING; INC.	220 DUPONT STREET	NE 1/4 - 1/2 (0.481 mi.)	134	548

Local Lists of Hazardous waste / Contaminated Sites

DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the DEL SHWS list, as provided by EDR, and dated 02/22/2012 has revealed that there are 2 DEL SHWS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL OIL BROOKLYN TERMINAL	300 NORTH HENRY STREET	ESE 1/2 - 1 (0.782 mi.)	140	560
FORMER MANHATTAN ADHESIVES PLA	425-459 GREENPOINT AVEN	E 1/2 - 1 (0.863 mi.)	142	562

Local Lists of Registered Storage Tanks

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

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 8 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GREENPOINT CORP.	111 GREENPOINT AVE.	SE 1/8 - 1/4 (0.207 mi.)	R92	287
128-130 GREENPOINT AV	128-130 GREENPOINT AVEN	SE 1/8 - 1/4 (0.210 mi.)	S94	291
ST. ELIAS GREEK RITE ROMAN CAT	147 KENT STREET	ESE 1/8 - 1/4 (0.212 mi.)	T95	292
A JOCHNOWITZ	151 JAVA ST	E 1/8 - 1/4 (0.213 mi.)	U97	296

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE CORP	***145 WEST ST***	***W 0 - 1/8 (0.044 mi.)***	***B12***	***35***
OSCAR'S SERVICE STATION INC	***193 FRANKLIN ST***	***NNE 0 - 1/8 (0.109 mi.)***	***L69***	***205***
DEVEN LITHOGRAPHERS, INC.	***15 HURON STREET***	***WNW 1/8 - 1/4 (0.135 mi.)***	***77***	***236***
EAGLE STREEET ASSOC.	***48 EAGLE STREET***	***N 1/8 - 1/4 (0.199 mi.)***	***89***	***272***

Records of Emergency Release Reports

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

A review of the NY Spills list, as provided by EDR, and dated 02/22/2012 has revealed that there are 15 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 1,TAXBLOCK 2532 Date Closed: 9/24/2007	***200 FRANKLIN STREET***	***ENE 0 - 1/8 (0.051 mi.)***	***D21***	***74***
CON ED - IN FRONT OF Date Closed: 3/24/2006	204 FRANKLIN ST	NE 0 - 1/8 (0.059 mi.)	D31	108
FRANKLIN / HURON STREETS Date Closed: 4/18/1997	***FRANKLIN / HURON STREET***	***NE 0 - 1/8 (0.088 mi.)***	***48***	***149***

Other Ascertainable Records

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

A review of the RCRA-NonGen list, as provided by EDR, and dated 11/10/2011 has revealed that there are 12 RCRA-NonGen sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TM759	*KENT ST. C162W FRANKLIN*	*SSE 0 - 1/8 (0.108 mi.)*	*N68*	*204*
GMDC	*37 GREENPOINT AVE*	*S 1/8 - 1/4 (0.150 mi.)*	*P82*	*257*
IDEAL PRECISION METER CO	*126 GREENPOINT AVE*	*SE 1/8 - 1/4 (0.206 mi.)*	*R90*	*278*
SOVERN ELLEN	*118 MILTON ST*	*SE 1/8 - 1/4 (0.223 mi.)*	*V102*	*308*
APHRODITE CLEANER	*1019 MANHATTAN AVE*	*ENE 1/8 - 1/4 (0.244 mi.)*	*W107*	*316*

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE CORP	*145 WEST ST*	*W 0 - 1/8 (0.044 mi.)*	*B12*	*35*
ELECTRICAL PRECISION METE	*214 FRANKLIN ST*	*NNE 0 - 1/8 (0.080 mi.)*	*44*	*141*
NYC DEP	18 INDIA ST	W 0 - 1/8 (0.083 mi.)	H46	145
LIQUI MARK CORP-71 GREEN ST	*71 GREEN ST*	*N 0 - 1/8 (0.101 mi.)*	*K61*	*184*
VANGUARD DIVERSIFIED INC	*10 JAVA ST*	*WSW 1/8 - 1/4 (0.129 mi.)*	*O74*	*226*
PAT & DOMS BODY & FENDER REPAI	*246 FRANKLIN ST*	*N 1/8 - 1/4 (0.171 mi.)*	*85*	*262*
CON EDISON	NOBLE ST & WEST ST	S 1/8 - 1/4 (0.248 mi.)	X109	333

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the MANIFEST list, as provided by EDR, and dated 01/10/2012 has revealed that there are 16 MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TM759	*KENT ST. C162W FRANKLIN*	*SSE 0 - 1/8 (0.108 mi.)*	*N68*	*204*
BROOKLYN WOODWORKERS CO-OP LTD	*61 GREENPOINT AVE 6TH F*	*SSE 1/8 - 1/4 (0.147 mi.)*	*Q79*	*244*
GMDC	*37 GREENPOINT AVE*	*S 1/8 - 1/4 (0.150 mi.)*	*P82*	*257*
IDEAL PRECISION METER CO	*126 GREENPOINT AVE*	*SE 1/8 - 1/4 (0.206 mi.)*	*R90*	*278*
SOVERN ELLEN	*118 MILTON ST*	*SE 1/8 - 1/4 (0.223 mi.)*	*V102*	*308*
CONSOLIDATED EDISON	MANHATTAN AVE & JAVA ST	E 1/8 - 1/4 (0.227 mi.)	U104	312
APHRODITE CLEANER	*1019 MANHATTAN AVE*	*ENE 1/8 - 1/4 (0.244 mi.)*	*W107*	*316*
MTA NYCT GREEN STREET SUBSTATI	*GREEN ST & MANHATTAN AV*	*ENE 1/8 - 1/4 (0.244 mi.)*	*W108*	*326*

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUXLEY ENVELOPE CORP	*145 WEST ST*	*W 0 - 1/8 (0.044 mi.)*	*B12*	*35*
NYCDEP HAZMAT	*18 INDIA ST*	*W 0 - 1/8 (0.083 mi.)*	*H45*	*143*
LIQUI MARK CORP-71 GREEN ST	*71 GREEN ST*	*N 0 - 1/8 (0.101 mi.)*	*K61*	*184*
VANGUARD INCORPORATED	*10 JAVA ST*	*WSW 1/8 - 1/4 (0.129 mi.)*	*O75*	*229*
NYCPR - MONUMENTS FIELD OFFICE	*10 KENT ST*	*SW 1/8 - 1/4 (0.146 mi.)*	*78*	*239*
NYC DEP HAZ MAT UNIT	WEST ST & GREENPOINT AV	S 1/8 - 1/4 (0.152 mi.)	P83	260
CONSOLIDATED EDISON	WEST ST & GREENPOINT AV	S 1/8 - 1/4 (0.152 mi.)	P84	260
PAT & DOMS BODY & FENDER REPAI	*246 FRANKLIN ST*	*N 1/8 - 1/4 (0.171 mi.)*	*85*	*262*

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/20/2011 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APHRODITE CLEANERS	1019 MANHATTAN AVENUE	ENE 1/8 - 1/4 (0.244 mi.)	W106	316

E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the E DESIGNATION list, as provided by EDR, and dated 10/05/2011 has revealed that there are 39 E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 27,TAXBLOCK 2539	61 JAVA STREET	S 0 - 1/8 (0.047 mi.)	C15	60
LOT 29,TAXBLOCK 2539	59 JAVA STREET	S 0 - 1/8 (0.047 mi.)	C17	66
LOT 14,TAXBLOCK 2549	70 JAVA STREET	SSE 0 - 1/8 (0.049 mi.)	C19	71
LOT 10,TAXBLOCK 2549	60 JAVA STREET	S 0 - 1/8 (0.051 mi.)	C20	73
LOT 1,TAXBLOCK 2532	***200 FRANKLIN STREET***	***ENE 0 - 1/8 (0.051 mi.)***	***D21***	***74***
LOT 28,TAXBLOCK 2549	67 KENT STREET	S 0 - 1/8 (0.096 mi.)	J53	164
LOT 36,TAXBLOCK 2549	59 KENT STREET	S 0 - 1/8 (0.097 mi.)	J54	166
LOT 25,TAXBLOCK 2549	129 FRANKLIN STREET	SSE 0 - 1/8 (0.104 mi.)	N67	202

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 8,TAXBLOCK 2539	44 INDIA STREET	W 0 - 1/8 (0.005 mi.)	A2	10
LOT 36,TAXBLOCK 2531	INDIA STREET	NNW 0 - 1/8 (0.013 mi.)	A3	13
LOT 1,TAXBLOCK 2539	32 INDIA STREET	W 0 - 1/8 (0.034 mi.)	B5	18
LOT 1,TAXBLOCK 2531	144 WEST STREET	W 0 - 1/8 (0.041 mi.)	B7	26
LOT 2,TAXBLOCK 2531	146 WEST STREET	W 0 - 1/8 (0.042 mi.)	B11	34
LOT 3,TAXBLOCK 2531	148 WEST STREET	WNW 0 - 1/8 (0.044 mi.)	B14	58
LOT 20,TAXBLOCK 2531	FRANKLIN STREET	NNE 0 - 1/8 (0.048 mi.)	D18	70
LOT 12,TAXBLOCK 2531	66 HURON STREET	NNW 0 - 1/8 (0.052 mi.)	E23	86
LOT 32,TAXBLOCK 2521	73 HURON STREET	N 0 - 1/8 (0.052 mi.)	E24	89
LOT 110,TAXBLOCK 2531	64 HURON STREET	NNW 0 - 1/8 (0.053 mi.)	E25	90
LOT 1,TAXBLOCK 2538	131 WEST STREET	SW 0 - 1/8 (0.054 mi.)	F26	94
LOT 10,TAXBLOCK 2531	62 HURON STREET	NNW 0 - 1/8 (0.055 mi.)	E27	97
LOT 1,TAXBLOCK 2530	155 WEST STREET	NW 0 - 1/8 (0.057 mi.)	G28	100
LOT 9,TAXBLOCK 2531	60 HURON STREET	NW 0 - 1/8 (0.058 mi.)	E30	105
LOT 56,TAXBLOCK 2530	157 WEST STREET	NW 0 - 1/8 (0.061 mi.)	G32	109
LOT 55,TAXBLOCK 2530	159 WEST STREET	NW 0 - 1/8 (0.065 mi.)	G34	116
LOT 1,TAXBLOCK 2521	160 WEST STREET	NW 0 - 1/8 (0.067 mi.)	G37	123
LOT 1,TAXBLOCK 2520	161 WEST STREET	NW 0 - 1/8 (0.068 mi.)	G38	125
LOT 5,TAXBLOCK 2521	170 WEST STREET	NW 0 - 1/8 (0.086 mi.)	I47	146
LOT 6,TAXBLOCK 2521	172 WEST STREET	NW 0 - 1/8 (0.090 mi.)	I49	152
LOT 57,TAXBLOCK 2520	171 WEST STREET	NW 0 - 1/8 (0.092 mi.)	I51	158
LOT 7,TAXBLOCK 2521	174 WEST STREET	NNW 0 - 1/8 (0.094 mi.)	I52	161
LOT 13,TAXBLOCK 2521	68 GREEN STREET	NNW 0 - 1/8 (0.099 mi.)	K57	172
LOT 12,TAXBLOCK 2521	66 GREEN STREET	NNW 0 - 1/8 (0.100 mi.)	K58	176
LOT 11,TAXBLOCK 2521	64 GREEN STREET	NNW 0 - 1/8 (0.101 mi.)	K60	181
LOT 31,TAXBLOCK 2511	73 GREEN STREET	N 0 - 1/8 (0.101 mi.)	K62	191
LOT 19,TAXBLOCK 2521	80 GREEN STREET	N 0 - 1/8 (0.102 mi.)	L63	194
LOT 1,TAXBLOCK 2549	108 WEST STREET	SSW 0 - 1/8 (0.104 mi.)	M64	195
LOT 7501,TAXBLOCK 2511	61 GREEN STREET	NNW 0 - 1/8 (0.104 mi.)	K65	197
LOT 1,TAXBLOCK 2510	179 WEST STREET	NNW 0 - 1/8 (0.110 mi.)	70	215

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 58,TAXBLOCK 2556	105 WEST STREET	SSW 0 - 1/8 (0.113 mi.)	M71	219

EDR PROPRIETARY RECORDS

EDR Proprietary Records

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

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there are 5 Manufactured Gas Plants sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WYTHE AVE. (BERRY ST.) STATION	WYTHE AVE., BERRY ST.,	S 1/2 - 1 (0.686 mi.)	139	559

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - EAST 14TH ST. WOR	EAST 14TH - EAST 16TH S	WSW 1/2 - 1 (0.800 mi.)	141	562
CON EDISON - EAST 11TH ST. WOR	EAST 11TH - EAST 13TH S	WSW 1/2 - 1 (0.890 mi.)	143	564
CON EDISON - EAST 21ST ST. WOR	EAST 20TH - EAST 22ND S	W 1/2 - 1 (0.981 mi.)	145	566
CON EDISON - EAST 19TH ST. STA	524 E. 19TH ST.	W 1/2 - 1 (0.988 mi.)	146	566

Due to poor or inadequate address information, the following sites were not mapped. Count: 387 records.

Site Name	Database(s)
39-40 30TH STREET	TANKS
LIRR ARCH STREET YARD AND SHOP	TANKS
HESTER STREET SUBSTATION	PCB TRANSFORMER
HESTER STREET SUBSTATION	PCB TRANSFORMER
HESTER STREET SUBSTATION	PCB TRANSFORMER
CONSOLIDATED EDISON	MANIFEST
NYSDOT BIN 1066220	FINDS, MANIFEST
BELL ATLANTIC-NY	MANIFEST
ID NOT IN TRANSPORTER FILE	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CON ED - MH 71378	RCRA-NonGen, MANIFEST
BELL ATLANTIC-NY	RCRA-NonGen, MANIFEST
NYCTA-SYSTEM SAFETY	MANIFEST
BELL ATLANTIC-NY	MANIFEST
CONSOLIDATED EDISON	MANIFEST
NYNEX	MANIFEST
RADIAC RESEARCH CORP	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
NYCDEP	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
FORMER CONCRETE TESTING LAB	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
NYNEX	MANIFEST
CONSOLIDATED EDISON MH796	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	RCRA-NonGen, MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
CONSOLIDATED EDISON	MANIFEST
VERIZON NEW YORK INC	FINDS, MANIFEST
VERIZON NEW YORK INC. MANHOLE	FINDS, MANIFEST
CONSOLIDATED WATER CONDITIONING CO	MANIFEST
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC-NY	FINDS, MANIFEST
VERIZON NEW YORK INC. MANHOLE	MANIFEST
VERIZON NEW YORK INC	FINDS, MANIFEST
CONSOLIDATED EDISON - MH 12897	MANIFEST
NYNEX	MANIFEST
VERIZON NEW YORK INC. MANHOLE	MANIFEST
VERIZON NEW YORK INC.	MANIFEST
NYNEX	MANIFEST
CONSOLIDATED EDISON - MH 69275	MANIFEST
CONED	RCRA-NonGen, MANIFEST
K - PEOPLES WORKS	SHWS
K - EQUITY WORKS	SHWS
K - SCHOLES ST. STATION	SHWS

K - WYTHE AVE. STATION	SHWS
CE E.14TH STREET WORKS (EAST RIVER	SHWS
BKLYN UNION GAS /WILLIAMSBURGH WOR	CERC-NFRAP
BKLYN UNION GAS /PEOPLES WORKS	CERC-NFRAP
WING GONG LAUNDRY/ROCKS & JEANS	DRYCLEANERS
LOT 3,TAXBLOCK 2317	E DESIGNATION
LOT 25,TAXBLOCK 2128	E DESIGNATION
LOT 250,TAXBLOCK 2134	E DESIGNATION
LOT 5,TAXBLOCK 2317	E DESIGNATION
LOT 8,TAXBLOCK 2317	E DESIGNATION
LOT 2,TAXBLOCK 2472	E DESIGNATION
LOT 6,TAXBLOCK 2494	E DESIGNATION
LOT 1,TAXBLOCK 2502	E DESIGNATION
CITYWIDE CESSPOOL COMPANY	SWF/LF, NY Spills, NY Hist Spills
SMITH STREET	SWF/LF, NY Spills, NY Hist Spills
OUTSTANDING RENEWAL ENTERPRISES (L	SWF/LF
GAS MAIN IN STREET	LTANKS
2110 BOLTON STREET	LTANKS, HIST LTANKS
2006 A FULTON STREET	LTANKS
NY CITY PARKS	LTANKS
MANHATTAN WATER MAINTENANCE	UST
39-31 24TH STREET	AST
CRESCENT STREET CORPORATION	HIST UST, AST
72ND ORCHARD STREET CORPORATION	AST, HIST AST
NYCDOT - 21ST STREET YARD	RCRA-SQG
CON EDISON SERVICE BOX 26001	RCRA-SQG
CON EDISON SERVICE BOX 47509	RCRA-SQG
NYCT - HESTER STREET SUBSTATION	RCRA-SQG
CON EDISON - MANHOLE 4353	RCRA-LQG
CON EDISON - TRANSFORMER VAULT 347	RCRA-LQG
NYSDOT BIN 1065449	RCRA-LQG
CON EDISON - MANHOLE 53655	RCRA-LQG
CON EDISON - MANHOLE 4337	RCRA-LQG
NYSDOT BIN 1065880	RCRA-LQG
NYSDOT BIN 1077069	RCRA-LQG
VERIZON MANHOLE 269 LOG 39021	RCRA-NonGen
VERIZON	RCRA-NonGen
24 OAK LLC	RCRA-NonGen
CON EDISON - VAULT 2155	RCRA-NonGen
CON EDISON - VAULT 2795	RCRA-NonGen
CON EDISON - VAULT 2772	RCRA-NonGen
VERIZON NEW YORK INC	RCRA-NonGen
VERIZON NEW YORK INC. MANHOLE	RCRA-NonGen
BELL ATLANTIC-NY	RCRA-NonGen
VERIZON NEW YORK INC	RCRA-NonGen
VERIZON NEW YORK INC	RCRA-NonGen
34TH STREET METROPORT	RCRA-NonGen, FINDS
CON EDISON	RCRA-NonGen
CON EDISON	RCRA-NonGen
BELL ATLANTIC-NY	RCRA-NonGen
BELL ATLANTIC - NY	RCRA-NonGen
CON EDISON	RCRA-CESQG
CON EDISON	RCRA-CESQG
CON EDISON	RCRA-CESQG
CON EDISON	RCRA-CESQG
CON EDISON	RCRA-CESQG
CON EDISON	RCRA-CESQG
GRAND STREET	HMIRS
GRAND STREET	HMIRS
GRAND STREET	HMIRS

100TH STREET PLAYGROUND 100TH AND	ERNS
111TH STREET	ERNS
147TH STREET BEACH	ERNS
17TH AVE AND 59TH STREET	ERNS
22ND STREET & 3RD AVE	ERNS
EAST 22ND STREET AND CLINTON ROAD.	ERNS
2ND AVENUE AND 6TH STREET	ERNS
2ND AVENUE AND 29TH STREET	ERNS
4TH AVENUE AND 1ST STREET	ERNS
#4 53 STREET	ERNS
53RD STREET	ERNS
58TH STREET AND AVE U	ERNS
5TH AVE AND 6TH STREET	ERNS
64TH STREET AND 3RD AVE	ERNS
EAST 66TH STREET AND	ERNS
EAST 68TH STREET	ERNS
EAST 68TH STREET AND AVE U	ERNS
6TH STREET AND 2ND AVE	ERNS
6TH STREET ADN 2ND AVE	ERNS
86TH STREET ON R LINE	ERNS
9TH STREET AND	ERNS
ABANDON VESSEL 21ST STREET	ERNS
ASH STREET AND MANHATTAN AVENUE	ERNS
1485 BEACON STREET	ERNS
BEHIND WHITMAN DRIVE / NEAR OHIO W	ERNS
BERGAN BEACH YACHT CLUB EAST 66TH	ERNS
3161 BRIGHTON 6 STREET	ERNS
CAROL AND NEVINS STREET	ERNS
CAROL AND NEVINS STREET	ERNS
408 CARROL STREET	ERNS
COLUMBIA STREET	ERNS
COWANUS CANAL 29TH STREET AND 2ND	ERNS
CROPSEY AVE. CORNER OF BAY 54TH ST	ERNS
CROPSEY AVE. CORNER OF BAY 54TH ST	ERNS
NORTH FIRST STREET OIL FARM 214 KE	ERNS
55 GOLD STREET/ JOHN STREET	ERNS
GRAND STREET BRIDGE	ERNS
252 GREEN STREET	ERNS
GREEN STREET AN MCGUINESS BLVD.	ERNS
HAVA DAIRY BOND STREET	ERNS
HOLSEY STREET STATION	ERNS
HOPKINS AVENUE AND FULTON STREET I	ERNS
INDIA AND WEST STREETS	ERNS
INTERSECTION OF HICKS AND KANE STR	ERNS
INTERSECTION OF BROADWAY AND FULTO	ERNS
KNAPP STREET	ERNS
MENAHAN STREET	ERNS
SOUTH OF THE STATION AT HALSEY STR	ERNS
OLD FULTON STREET	ERNS
RIVER STREET AND GRAND ST 94TH POL	ERNS
EAST RIVER BETWEEN N13 TO N16 STRE	ERNS
SHEEPSHEAD BAY CROSS STREET OF EMM	ERNS
SHORE PARKWAY BETWEEN BAY 14TH STR	ERNS
SMITH STREET AND 9TH STREET	ERNS
STREET	ERNS
52 STREET AND 1ST AVENUE	ERNS
H STREET	ERNS
UNKNOWN SHEEN ON THE STREET	ERNS
IN FRONT OF THIS ADDRESS 231 VARIC	ERNS
59TH STREET BRIDGE	ERNS
BETWEEN 38TH AVE & 39TH ON 30TH ST	ERNS
BORDEN AVE AND 27TH STREET	ERNS

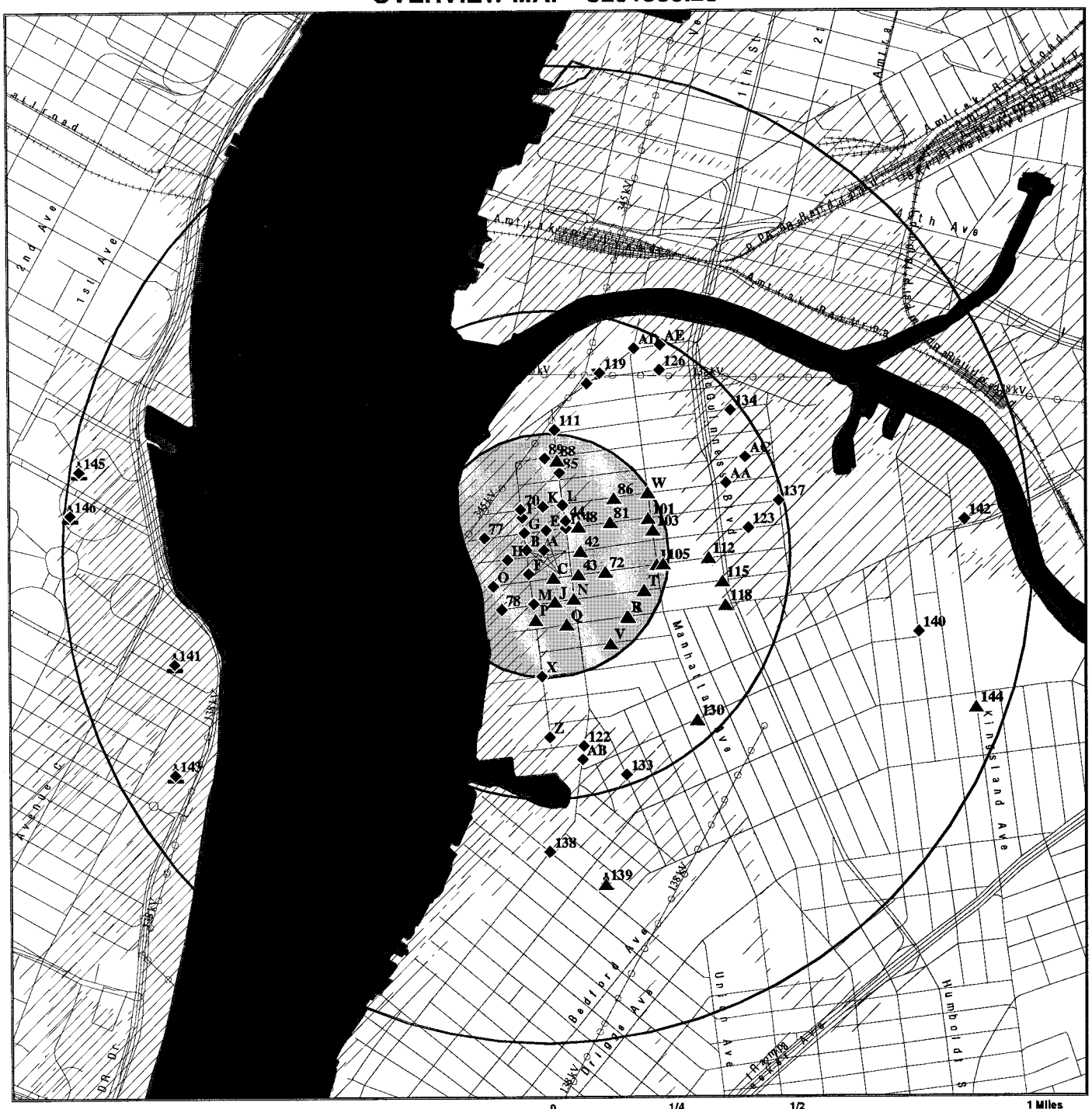
BORDEN AVE AND 27TH STREET	ERNS
13TH STREET & AVE C	ERNS
801 EAST 14TH STREET	ERNS
505 EAST 14TH STREET	ERNS
CON ED-11TH STREET CONDUIT	FINDS
NYCT - HESTER STREET SUBSTATION	FINDS
PARK AVENUE S AND E 28TH STREET	FINDS
N3 AND N4TH STREET	NY Spills, NY Hist Spills
531 144TH STREET	NY Spills, NY Hist Spills
14 AVE. & 15TH STREET	NY Spills, NY Hist Spills
TANKER ON STREET	NY Spills
ON STREET	NY Spills
101 EAST 179TH STREET	NY Spills, NY Hist Spills
EAST 18TH STREET	NY Spills
KAY ROCK SCREEN PRINTING	NY Spills
MANHOLE 74514	NY Spills, NY Hist Spills
EAST 26TH STREET	NY Spills, NY Hist Spills
HENDRIX STREET / 26TH WAR	NY Spills, NY Hist Spills
E 29TH ST & KINGS HWY	NY Spills, NY Hist Spills
SOUTH 2ND STREET	NY Spills, NY Hist Spills
36TH STREET	NY Spills, NY Hist Spills
IN THE STREET	NY Spills
23RD STREET AND	NY Spills, NY Hist Spills
PRESIDENT STREET &	NY Spills, NY Hist Spills
VAULT 2455 -- 2520	NY Spills
54 STREET/VERNON BLVD	NY Spills, NY Hist Spills
9TH STREET AT	NY Spills, NY Hist Spills
62ND STREET 3RD AVE.	NY Spills, NY Hist Spills
STREET	NY Spills
38TH STREET YARD	NY Spills
38TH STREET YARD	NY Spills, NY Hist Spills
ON SIDEWALK	NY Spills
EAST 83RD STREET SUB STATION	NY Spills
86TH STREET - BELL PARKWA	NY Spills, NY Hist Spills
CON EDISON MANHOLE 6688	NY Spills
IN THE STREET	NY Spills
EAST 92ND STREET	NY Spills, NY Hist Spills
ENTRANCE TO 38TH STREET Y	NY Spills
BETWEEN 37TH STREET AND	NY Spills, NY Hist Spills
38TH STREET AT CORNER OF	NY Spills
ON STREET	NY Spills
EAST 89TH STREET	NY Spills, NY Hist Spills
MANHOLE #10	NY Spills
VAULT 3760	NY Spills
BETW/AVE X &	NY Spills
EAST 83RD STREET AT	NY Spills
AVE Z AND KNAPP STREET	NY Spills, NY Hist Spills
MCGUISNESS BL	NY Spills, NY Hist Spills
NOLL STREET	NY Spills, NY Hist Spills
PRESIDENT STREET	NY Spills, NY Hist Spills
14 MAJETA STREET	NY Spills, NY Hist Spills
ROADWAY	NY Spills
STREET AND SEWER	NY Spills, NY Hist Spills
ON THE ROADWAY	NY Spills
2653 EAST 26TH STREET	NY Spills, NY Hist Spills
STREET BETW PILLING ST/CH	NY Spills
FOOT OF ADAM STREET	NY Spills, NY Hist Spills
BETWEEN CLAY/BOX STREET	NY Spills
89 JOHN STREET	NY Spills, NY Hist Spills
KNAPP STREET / CONEY ISLA	NY Spills, NY Hist Spills
IN THE STREET	NY Spills
TRANSFORMER VAULT # V7947	NY Spills

STREET	NY Spills
DRUMS- INTERSECTION OF	NY Spills
EAST 98TH STREET AT	NY Spills
REGULATOR ON THE STREET	NY Spills
DIVISION AVENUE / WEST AV	NY Spills, NY Hist Spills
CONOVER STREET BETWEEN	NY Spills
AVENUE L EAST43RD STREET	NY Spills, NY Hist Spills
ON STREET	NY Spills
STREET	NY Spills
SHEEPSHEAD BAY	NY Spills, NY Hist Spills
EMPIRE BLVD	NY Spills
MANHOLE # 853	NY Spills
FRANKLIN ST/MANHATTAN AVE	NY Spills, NY Hist Spills
MANHOLE #64829	NY Spills, NY Hist Spills
COMMERCIAL ST	NY Spills, NY Hist Spills
FLUSHING AVE	NY Spills, NY Hist Spills
MANHOLE 4709	NY Spills
MANHOLE 66300	NY Spills
STREET	NY Spills
STREET INTERSECTION	NY Spills
IN THE STREET	NY Spills
GRAND STREET BRIDGE	NY Spills, NY Hist Spills
DRUM RUN	NY Spills
GRATTAN STREET	NY Spills, NY Hist Spills
MANHOLE 14341	NY Spills, NY Hist Spills
MANHOLE 1861	NY Spills, NY Hist Spills
MANHOLE #729	NY Spills, NY Hist Spills
PVT DWELLING	NY Spills
GREENPOINT AVE BRIDGE	NY Spills
SCHOOL IS 383	NY Spills
TRANSMISSION FLUID SPILL	NY Spills
HILLARY STREET	NY Spills, NY Hist Spills
4TH STREET	NY Spills, NY Hist Spills
FRANKLIN STREET	NY Spills, NY Hist Spills
249	NY Spills, NY Hist Spills
HUXLEY ENVELOPE/WEST ST	NY Spills, NY Hist Spills
MANHOLE 3007	NY Spills
STREET	NY Spills
EAST NEW YORK DEPOT	NY Spills, NY Hist Spills
FARRAGUT S/S. CP 45 - ONE PINT	NY Spills
KENT & N. 12TH STREET	NY Spills, NY Hist Spills
N. 14TH ST	NY Spills, NY Hist Spills
VAULT 1198	NY Spills, NY Hist Spills
X	NY Spills
BQE AND	NY Spills
CON ED CONSTRUCTION	NY Spills
EXCAVATION - PIPELINE 7	NY Spills
IN THE STREET	NY Spills
BOX 38486	NY Spills, NY Hist Spills
TO ROADWAY	NY Spills
ROADWAY	NY Spills
KINGS HIGHWAY MOBIL	NY Spills
CB 52209	NY Spills, NY Hist Spills
KNAPP STREET, CONEY ISLAN	NY Spills, NY Hist Spills
KNAPP STREET	NY Spills
STREET INTERSECTION	NY Spills
MANHOLE AT BOX STREET AND	NY Spills, NY Hist Spills
ON THE STREET 580 -574 MAPLE AVE	NY Spills
STREET	NY Spills
TM803	NY Spills
STREET SIDE	NY Spills
CON ED MANHOLE #71304	NY Spills

MANHOLE #62845	NY Spills, NY Hist Spills
MANHOLE #62581	NY Spills, NY Hist Spills
NEW YORK HARBOR	NY Spills, NY Hist Spills
291-A MONROE STREET	NY Spills, NY Hist Spills
MONTAGUE STREET	NY Spills, NY Hist Spills
IN THE STREET	NY Spills
175 FALMOUTH STREET / BRO	NY Spills, NY Hist Spills
MANHOLE 796 EMIS 217771	NY Spills
STREET BY NYNEX GARAGE	NY Spills, NY Hist Spills
DOUGLASS STREET AND	NY Spills
STREET	NY Spills
EAST 94TH STREET AND	NY Spills
STREET	NY Spills
TM 1081	NY Spills, NY Hist Spills
STREET SPILL	NY Spills
BEHIND WHITMAN DR	NY Spills, NY Hist Spills
80TH STREET BRIDGE	NY Spills, NY Hist Spills
69TH STREET & NARROWS / B	NY Spills, NY Hist Spills
STREET SPILL	NY Spills
JAY STREET	NY Spills, NY Hist Spills
TILLARY STREET AND	NY Spills, NY Hist Spills
VS 5761	NY Spills, NY Hist Spills
1565 62 STREET	NY Spills, NY Hist Spills
NORTH 1ST STREET AND	NY Spills, NY Hist Spills
RUSSEL STREET	NY Spills, NY Hist Spills
MANHOLE 4535	NY Spills
4322 WEST SHORE AVE	NY Spills, NY Hist Spills
368FT SOUTH OF CORTELYOU RD	NY Spills
SOUTH OF BAYVIEW AVE	NY Spills, NY Hist Spills
MANHOLE #6016	NY Spills, NY Hist Spills
MANHOLE #43243	NY Spills, NY Hist Spills
MANHOLE 68031	NY Spills, NY Hist Spills
MANHOLE #2713	NY Spills
MANHOLE 1828	NY Spills
MANHOLE 66088	NY Spills
MANHOLE 67503	NY Spills
MANHOLE # 59281	NY Spills
VS 4206	NY Spills
DEP FACILITY	NY Spills
WEST SIDE OF SCHENECTADY AVE	NY Spills
EAST SIDE OF KENT AVE	NY Spills, NY Hist Spills
STREET SPILL	NY Spills
PRESIDENT STREET AND	NY Spills, NY Hist Spills
MANHOLE #4816	NY Spills, NY Hist Spills
MANHOLE 65087	NY Spills
IN DUMPSTER	NY Spills
205	NY Spills
TRANSFORMER VAULT #45	NY Spills
VS3975	NY Spills
KENT AND KEEP STREET	NY Spills, NY Hist Spills
RODNEY STREET	NY Spills, NY Hist Spills
IN THE STREET AND SEWER	NY Spills
UNION STREET BRIDGE	NY Spills
20TH STREET	NY Spills, NY Hist Spills
MANHOLE #2014	NY Spills, NY Hist Spills
MANHOLE 2014	NY Spills, NY Hist Spills
MANHOLE 32391	NY Spills
REGULATOR	NY Spills
218248; YORK STREET AND GREEN LANE	NY Spills
MANHOLE #724	NY Spills, NY Hist Spills
MANHOLE #724	NY Spills
TM 2470	NY Spills, NY Hist Spills

206018; N/S 16 ST 24' E/O 8 AVE PR	NY Spills
208199; CADMAN PLAZA WEST; M-379 W	NY Spills
206224; FRANKLIN AVE; SB26112 - F/	NY Spills
207049; GREEN ST; VS5863	NY Spills
207128; HURON ST; TM-752	NY Spills
205842; KINGS HWY	NY Spills
207889; 657 MYRTLE AVE; BET. FRANK	NY Spills
IN STREET	NY Spills
EAST 13 STREET SUBSTATION	NY Spills
IN DITCH	NY Spills
OUTLET CITY	NY Hist Spills
BERRY STREET HOUSING PROJECT	HSWDS
BUG, PEOPLES WORKS	HSWDS
ROUTE 9A - MANHATTAN	HSWDS
CENTRAL DEPOT	HIST UST
37 BRIDGEWATER STREET	HIST UST
4G'S TRUCK RENTING CO INC	HIST UST
CONSOLIDATED FREIGHTWAYS	HIST UST
49TH STREET SERVICE STATION	HIST UST
147 EAST 24TH STREET	HIST UST

OVERVIEW MAP - 3291586.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 45 India Street ADDRESS: 45 India Street Brooklyn NY 11222 LAT/LONG: 40.7319 / 73.9588	CLIENT: Landmark Consultants Inc. CONTACT: Andrew Gasparro/Jenna Jacklitsch INQUIRY #: 3291586.2s DATE: March 28, 2012 10:57 am

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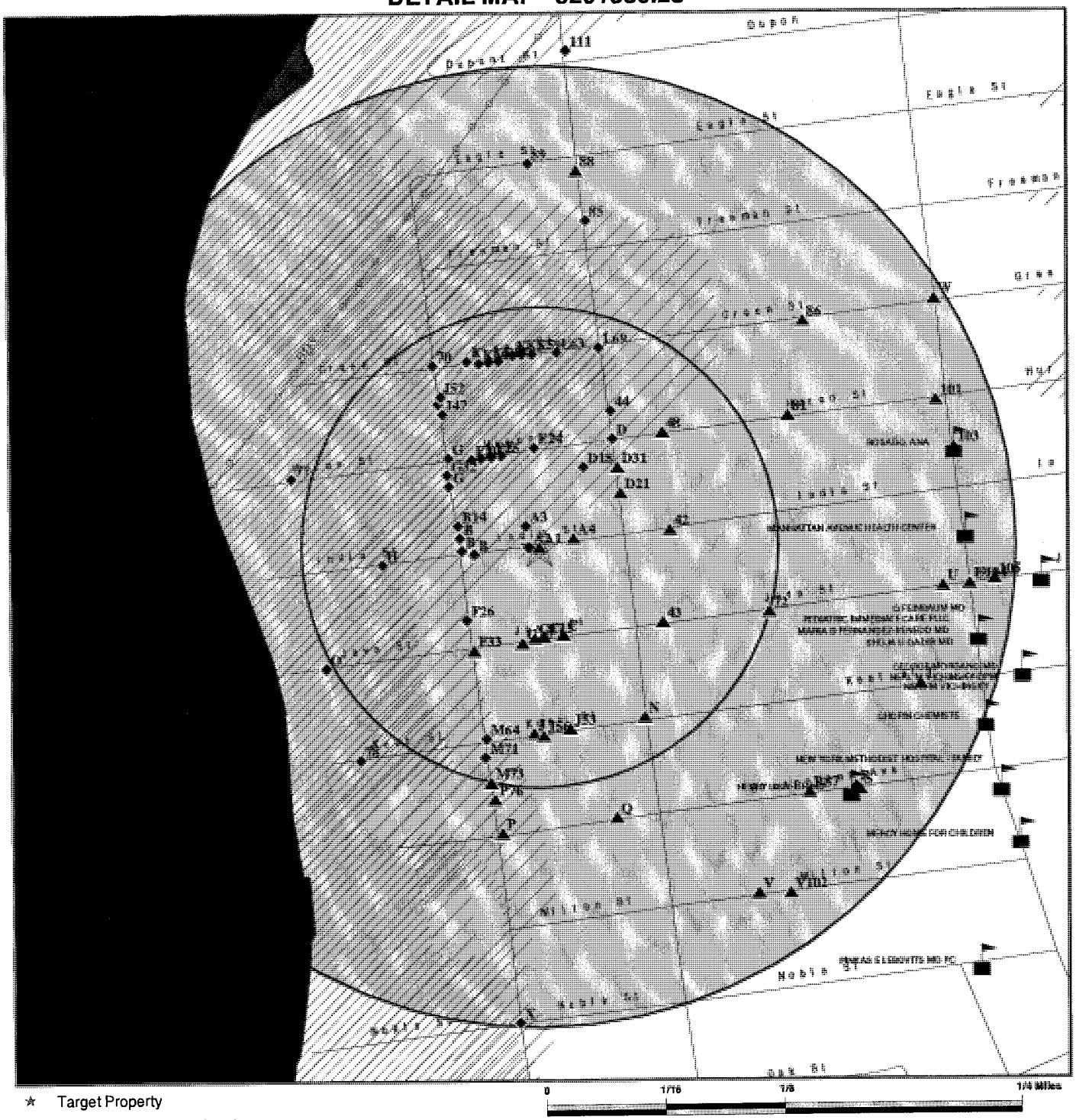
DETAIL MAP - 3291586.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		1	3	NR	NR	NR	4
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	1	2	NR	3
VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	6	NR	NR	6
State and tribal leaking storage tank lists								
LTANKS	0.500		1	2	13	NR	NR	16
HIST LTANKS	0.500		1	2	8	NR	NR	11
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
TANKS	0.250		0	0	NR	NR	NR	0

Appendix C
Freedom of Information Act Requests

17 April 2012

Rene Bryant
New York City Department of Health
125 Worth Street
Box 31C
New York, NY 10013

Re: Freedom of Information Request
Borough of Brooklyn
45 India Street, Block 2531, Lot 35
Landmark Project No.: 12-1804

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Landmark is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LUSTs), asbestos abatement, and any other environmental reports that your department may have.

The subject property is located at 45 India Street, **Brooklyn, New York** and is bounded by India Street to the south, multi-family buildings to the north, east, and west. The property is identified as **Block 2531, Lot 35** in the **Borough of Brooklyn, New York**.

Please contact me at 212-479-5413 or send your response to my attention at:

Landmark Consultants, Inc.
528 Leonard Street
Brooklyn NY 11222
Tel. (718) 383-6800

Thank you in advance for your cooperation.

Very truly yours,

Andrew Gasparro
President

17 April 2012

Record Access Officer
New York State Department of
Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Re: Freedom of Information Request
Borough of Brooklyn
45 India Street, Block 2531, Lot 35
Landmark Project No.: 12-1804

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Landmark is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LUSTs), asbestos abatement, and any other environmental reports that your department may have.

The subject property is located at 45 India Street, **Brooklyn, New York** and is bounded by India Street to the south, multi-family buildings to the north, east, and west. The property is identified as **Block 2531, Lot 35** in the **Borough of Brooklyn, New York**.

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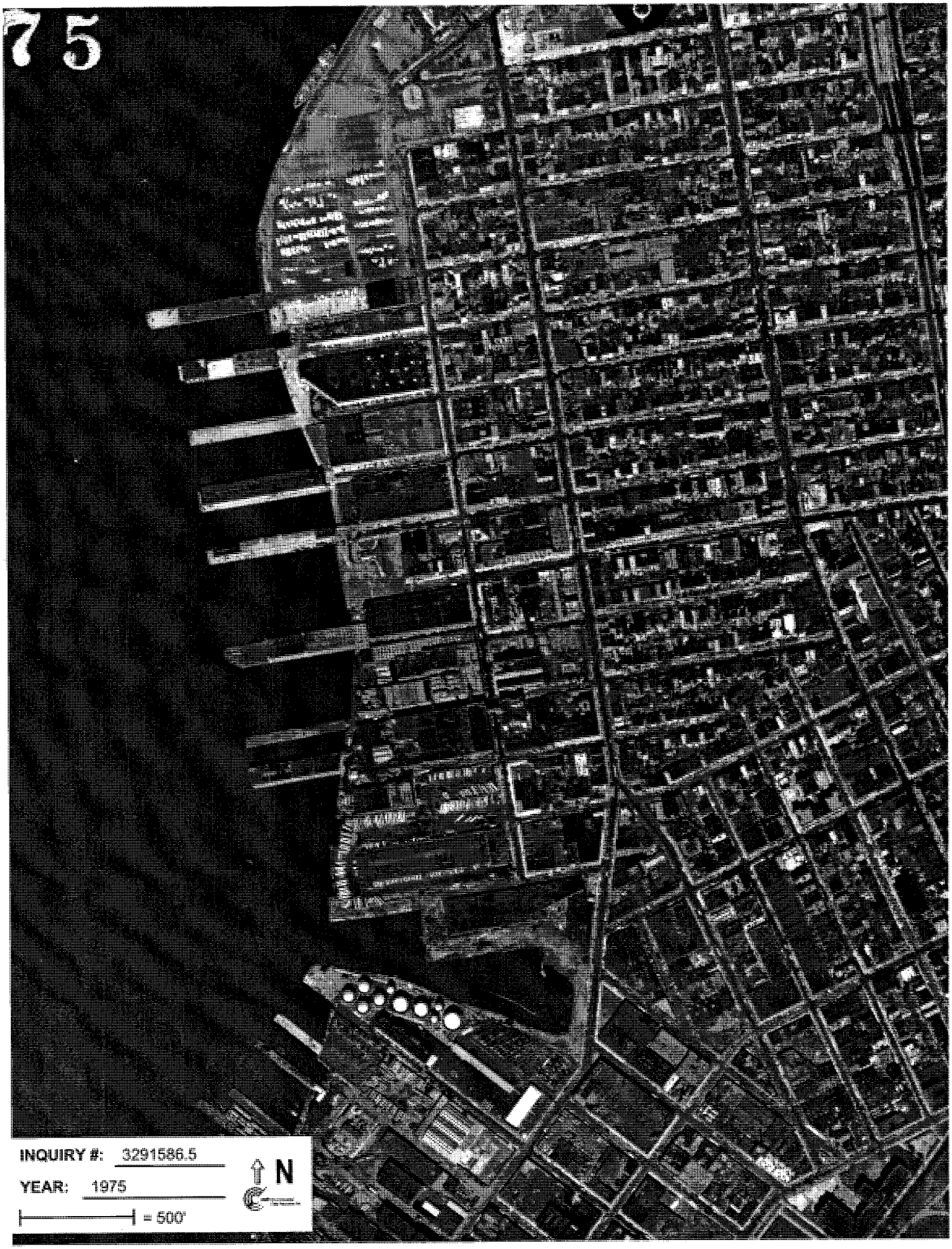
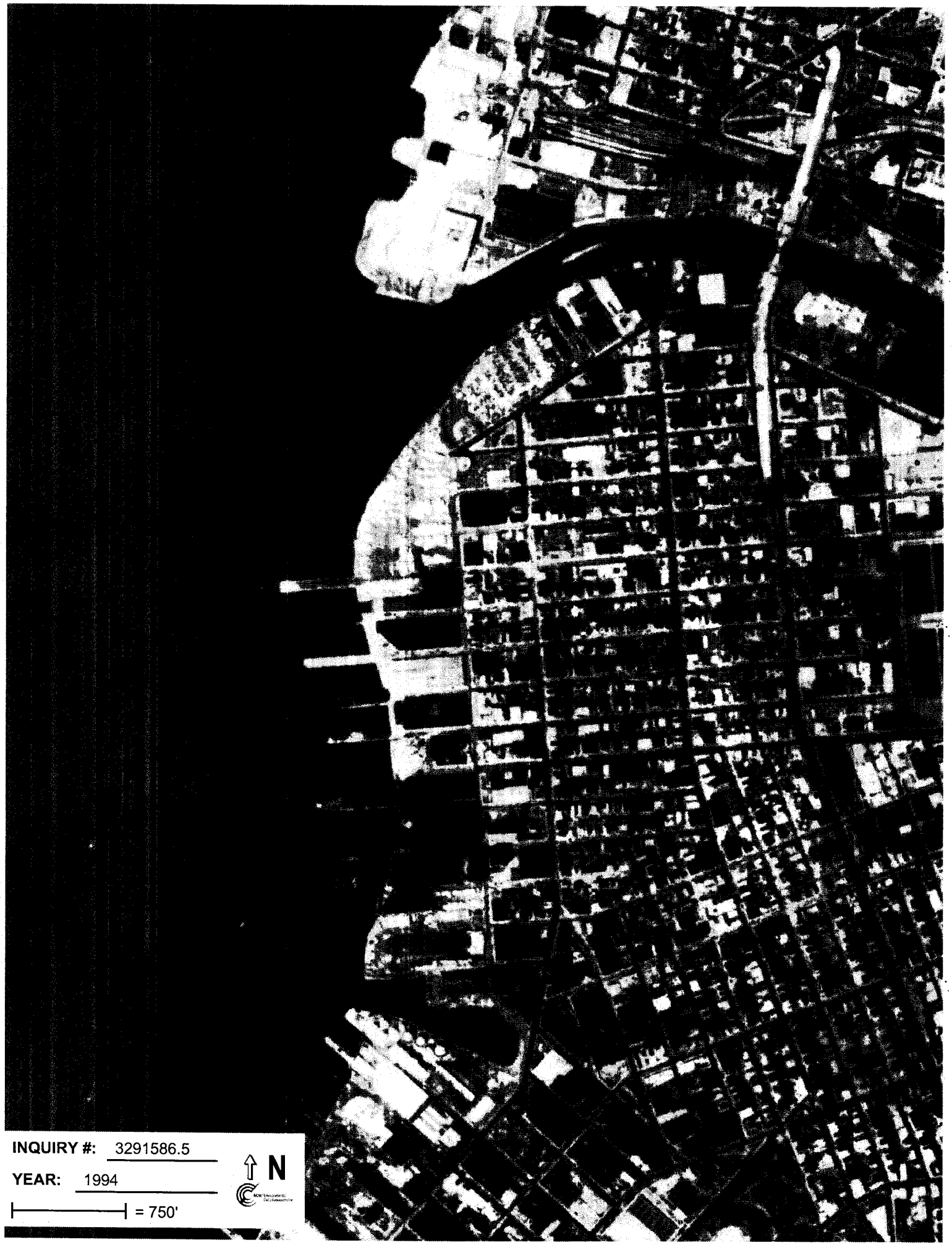
Brooklyn NY 11222
Tel. (718) 383-6800

Thank you in advance for your cooperation.

Very truly yours,

Andrew Gasparro
President


75
INQUIRY #: 3291586.5
YEAR: 1975
= 500'
N



INQUIRY #: 3291586.5

YEAR: 1994

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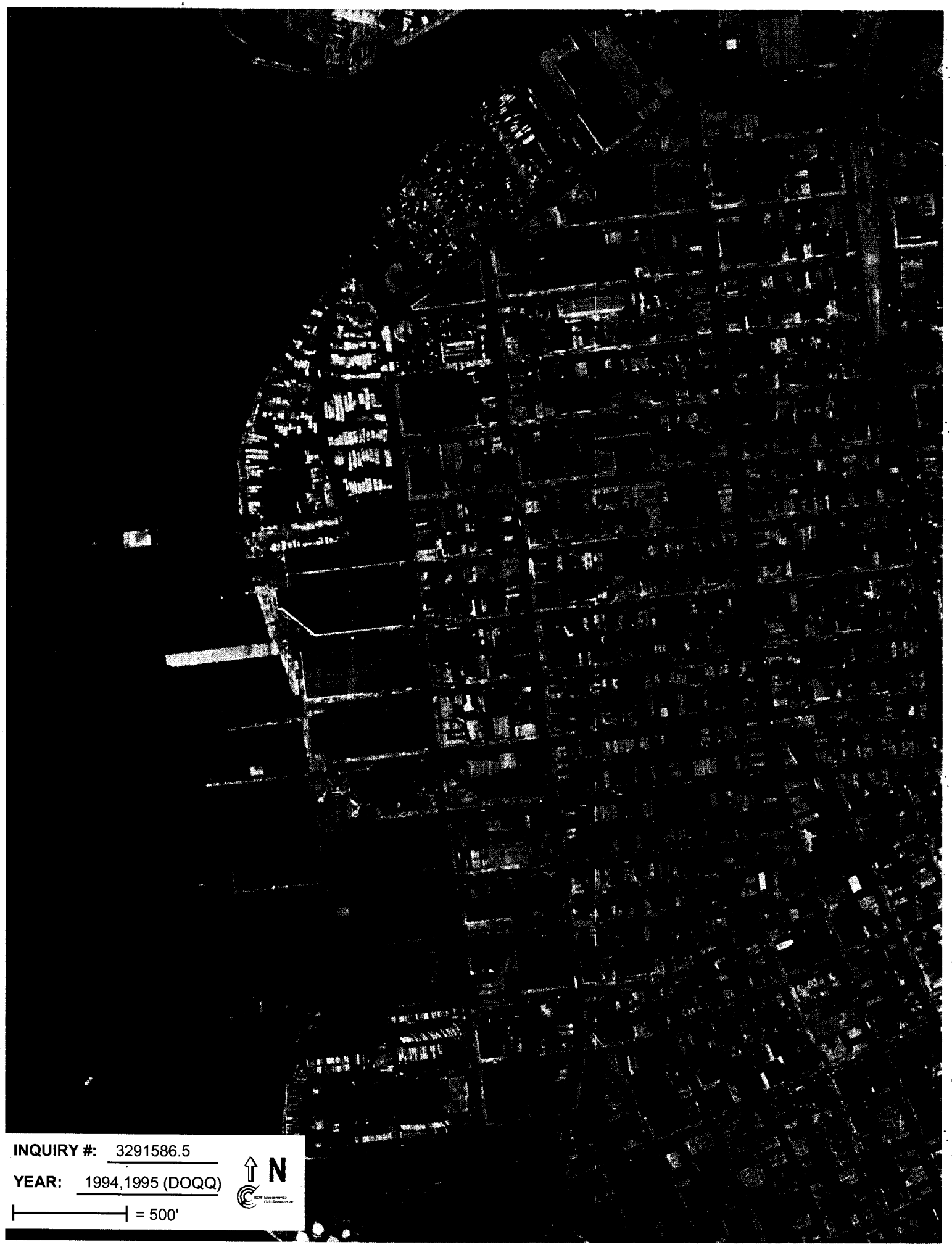
N

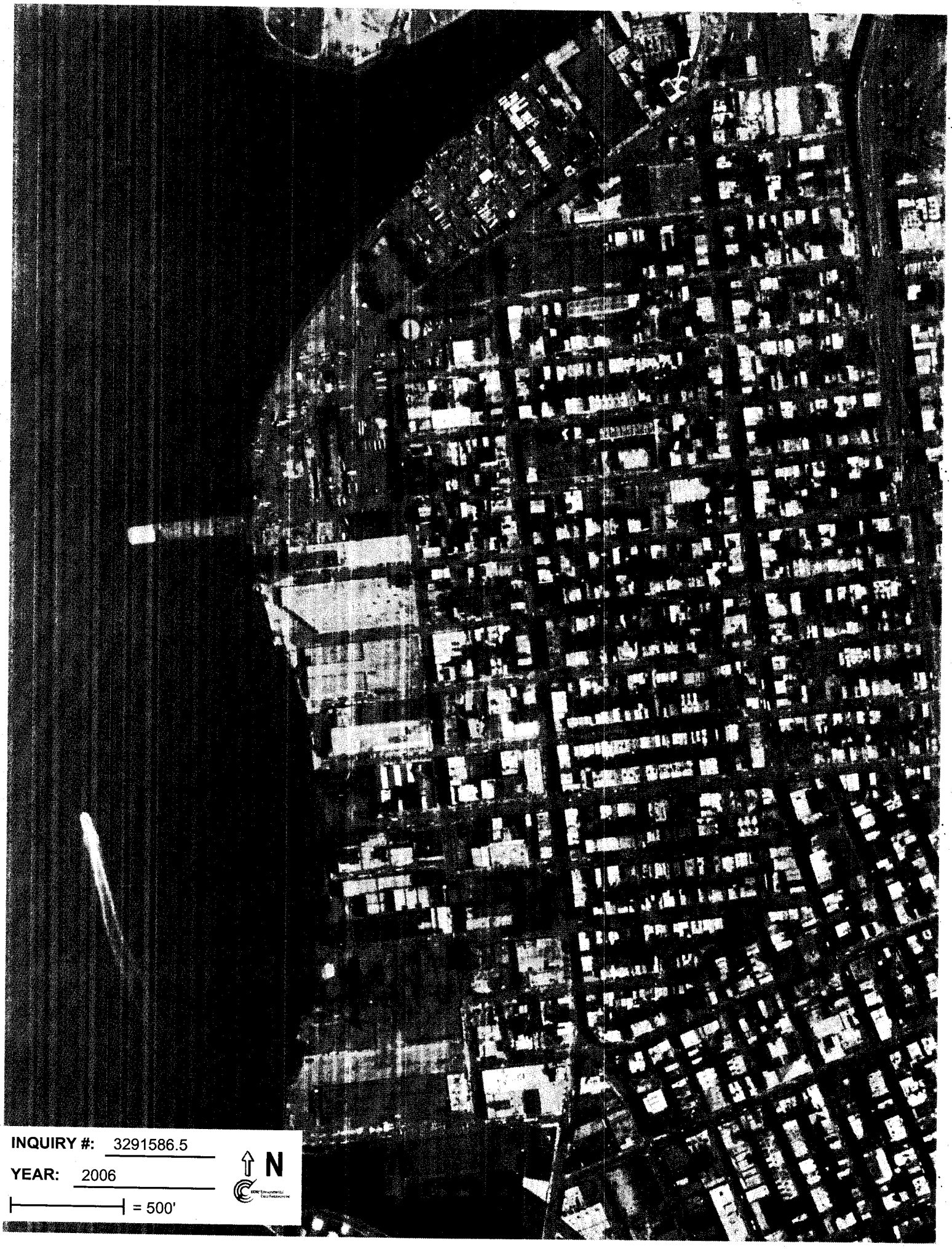


INQUIRY #: 3291586.5

YEAR: 1994,1995 (DOQQ)

= 500'

N



INQUIRY #: 3291586.5

YEAR: 2006

= 500'

N

45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.5
March 28, 2012

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.5
March 28, 2012

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www.edrnet.com

EDR Aerial Photo Decade Package

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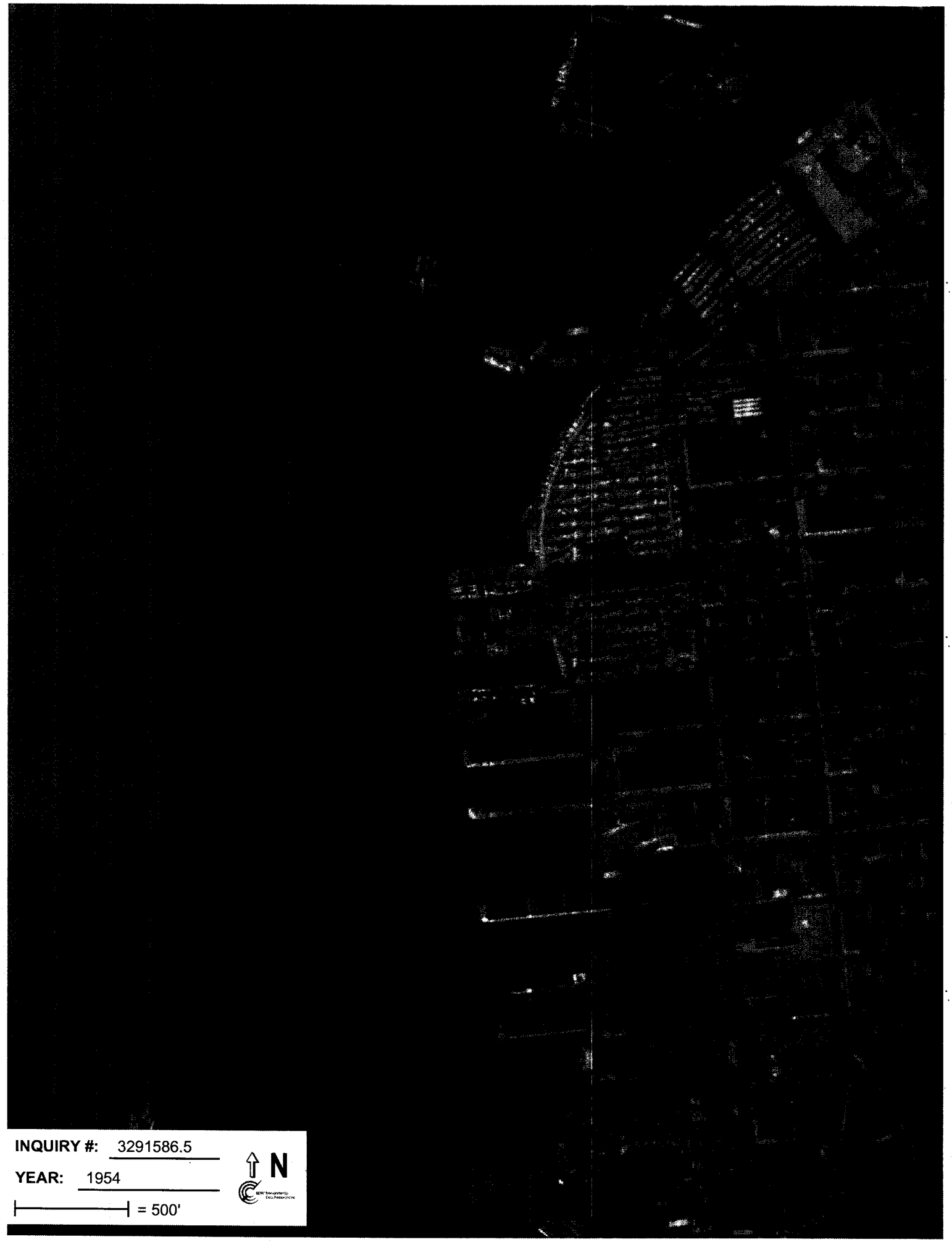
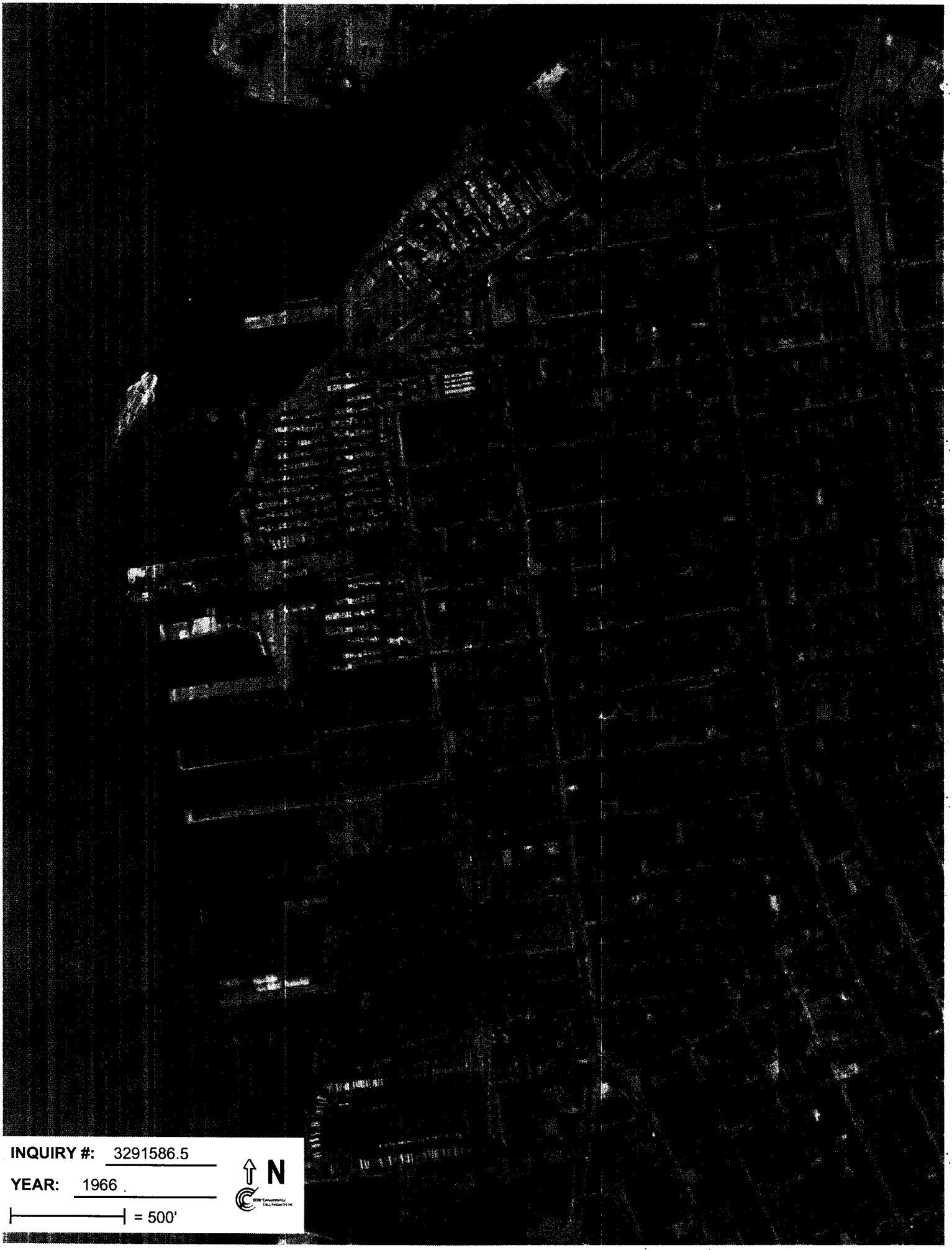


INQUIRY #: 3291586.5

YEAR: 1954

= 500'

N


INQUIRY #: 3291586.5
YEAR: 1966
= 500'
N

45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.3
March 28, 2012

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

3/28/12

Site Name:	Client Name:
45 India Street	Landmark Consultants Inc.
45 India Street	528 Leonard Street
Brooklyn, NY 11222	Brooklyn, NY 11222
EDR Inquiry # 3291586.3	Contact: Andrew Gasparro/Jenna

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Landmark Consultants Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 45 India Street
Address: 45 India Street
City, State, Zip: Brooklyn, NY 11222
Cross Street:
P.O. # NA
Project: NA
Certification # DC49-42E3-8C30

Maps Provided:

2007	2001	1988	1980	1928
2006	1996	1987	1979	1916
2005	1995	1986	1978	1905
2004	1993	1983	1965	1887
2003	1991	1982	1951	
2002	1989	1981	1942	

Sanborn® Library search results
Certification # DC49-42E3-8C30

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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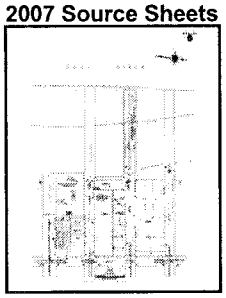
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets



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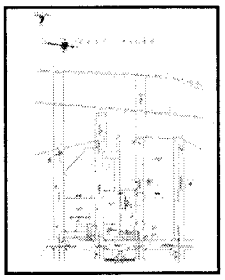

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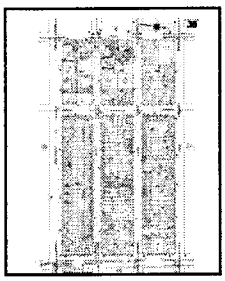

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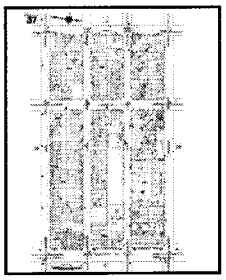

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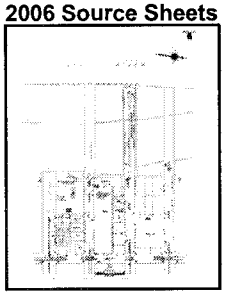

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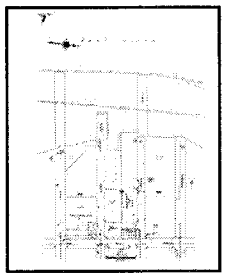

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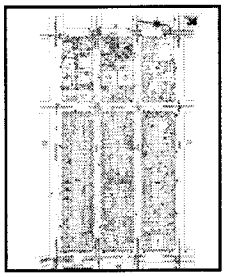

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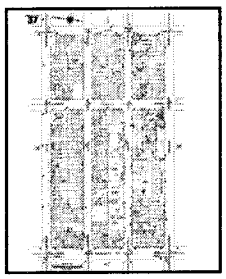

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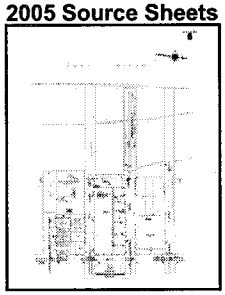

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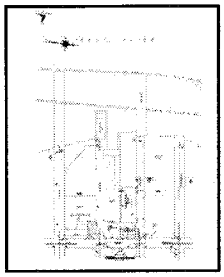

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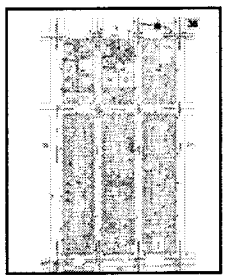

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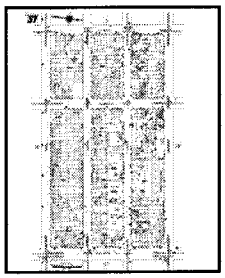

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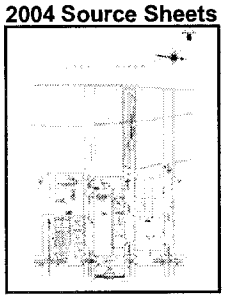

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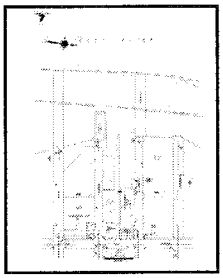

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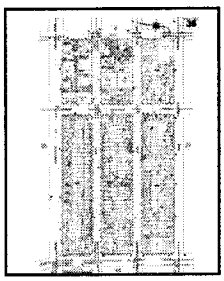

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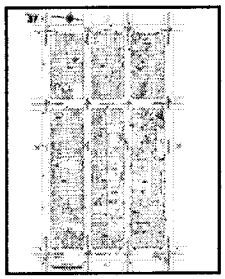

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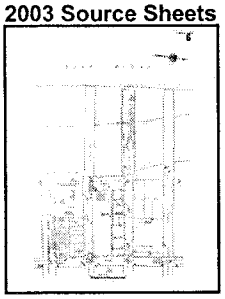

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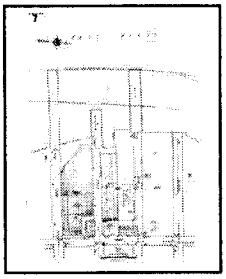

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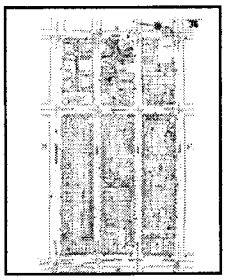

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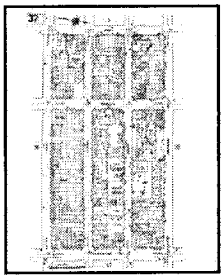

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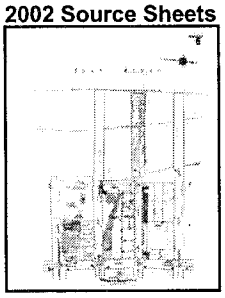

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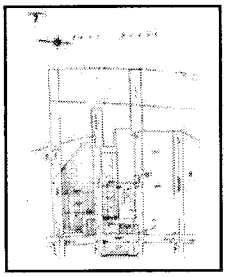

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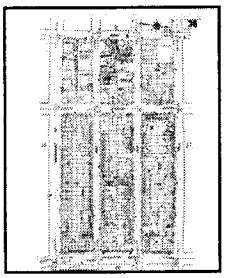

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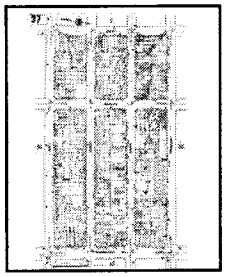

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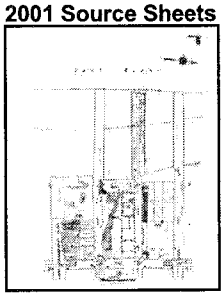

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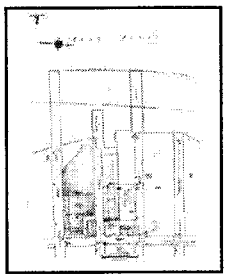

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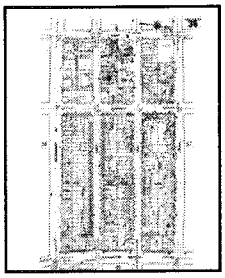

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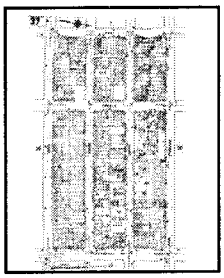

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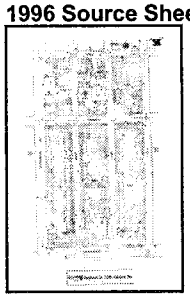

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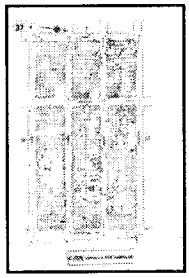

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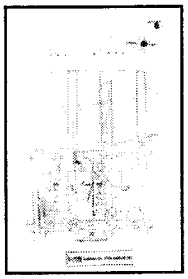

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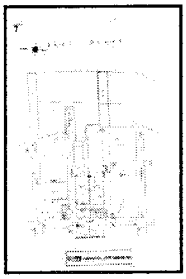

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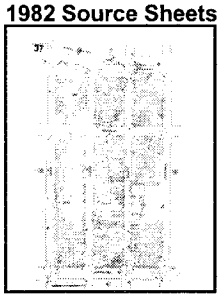

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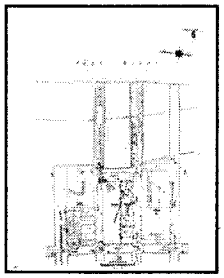

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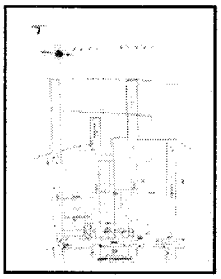

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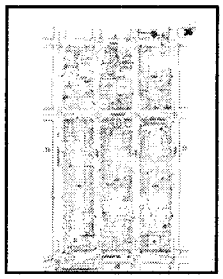

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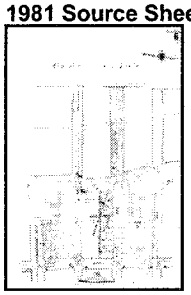

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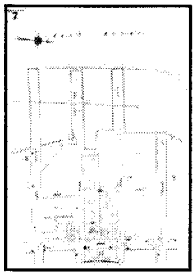

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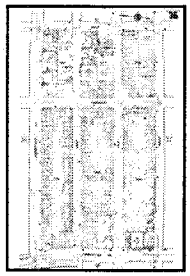

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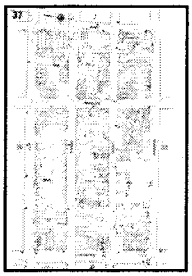

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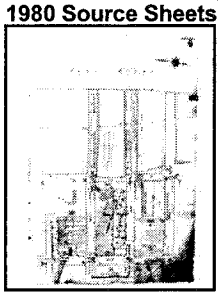

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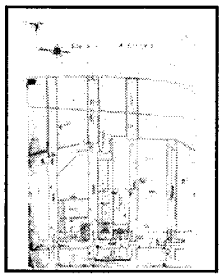

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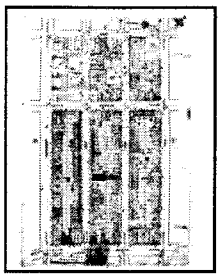

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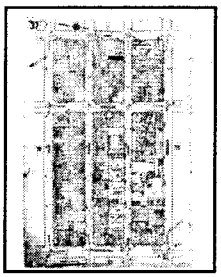

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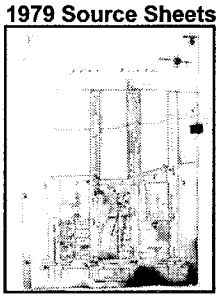

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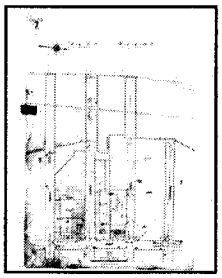

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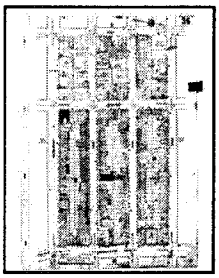

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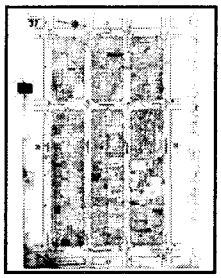

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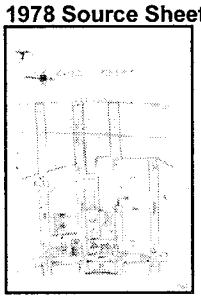

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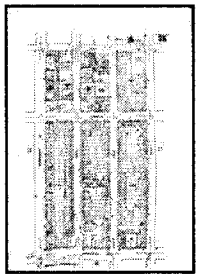

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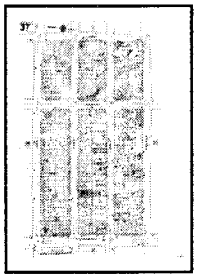

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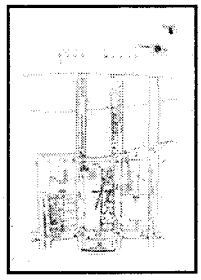

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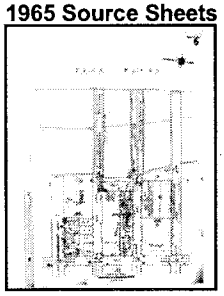

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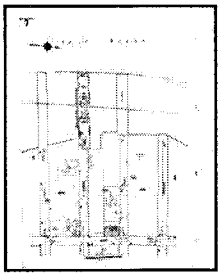

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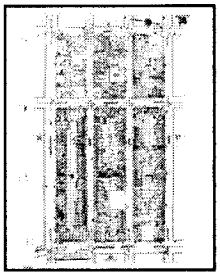

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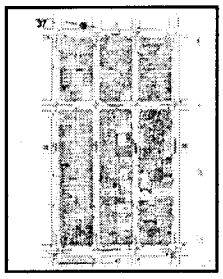

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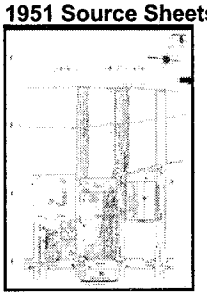

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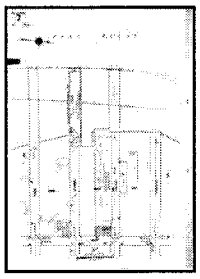

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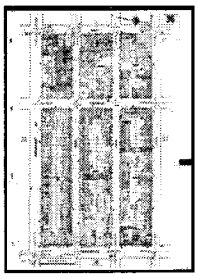

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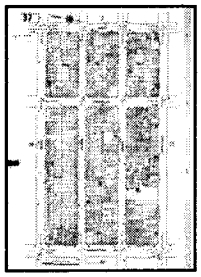

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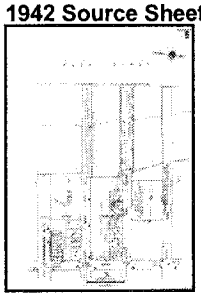

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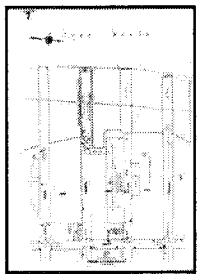

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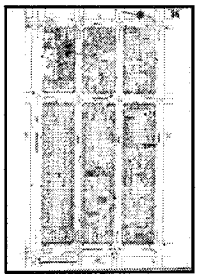

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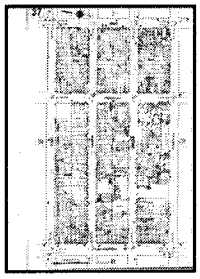

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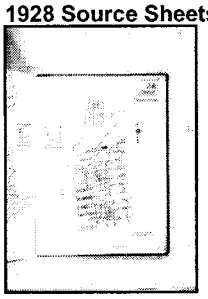

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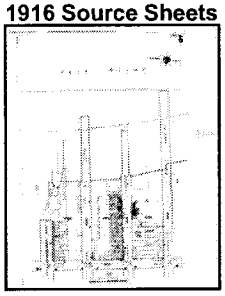

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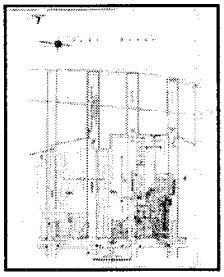

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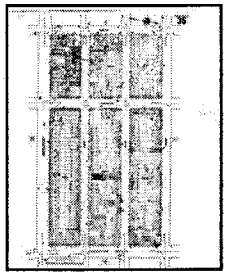

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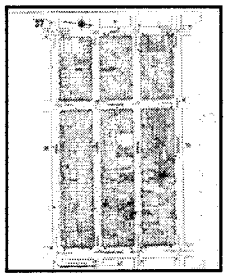

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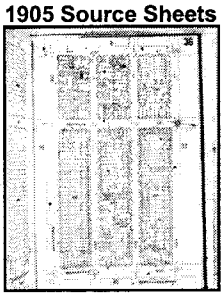

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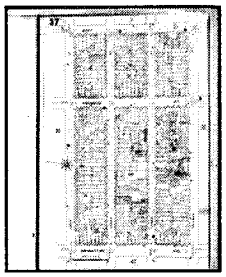

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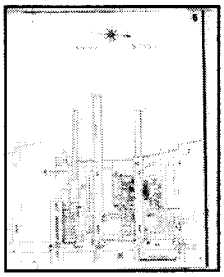

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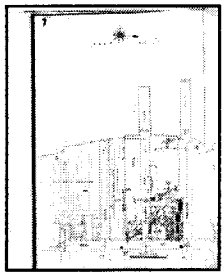

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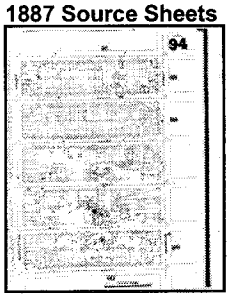

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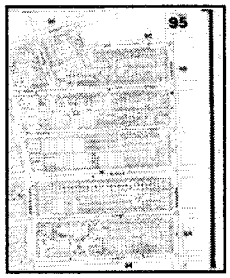

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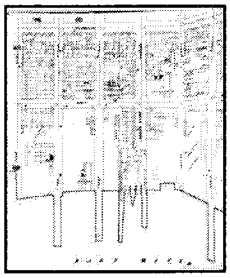

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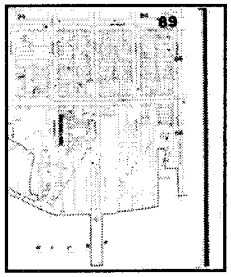

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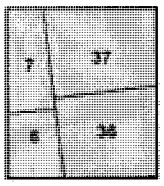

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0 Feet 150 300 600

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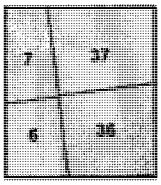

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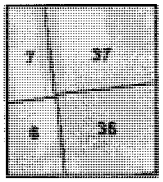

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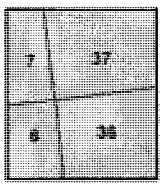

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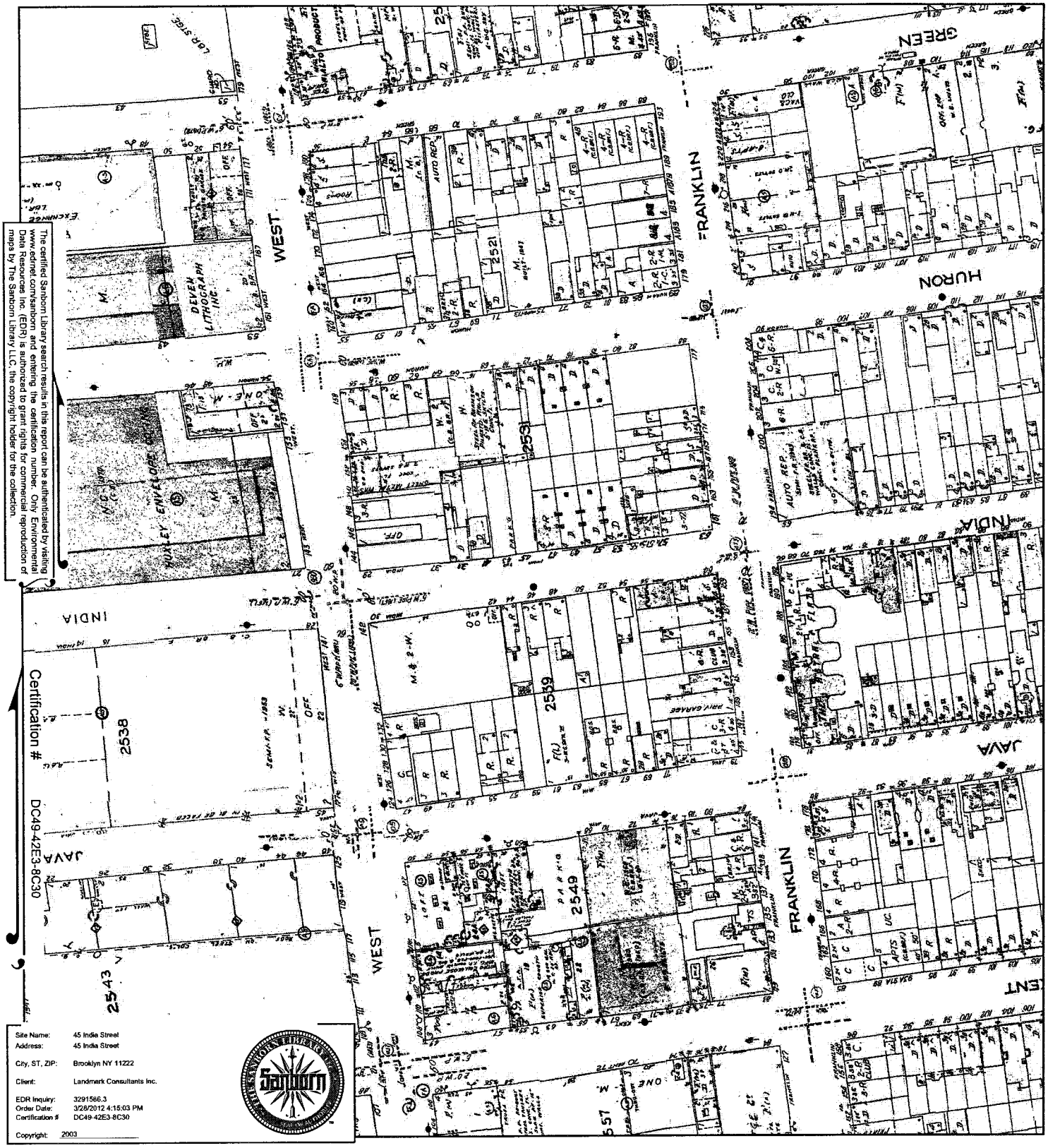

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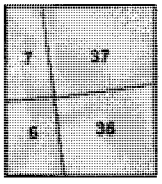

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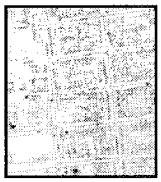

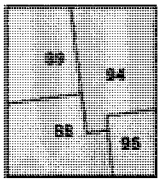

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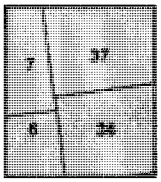

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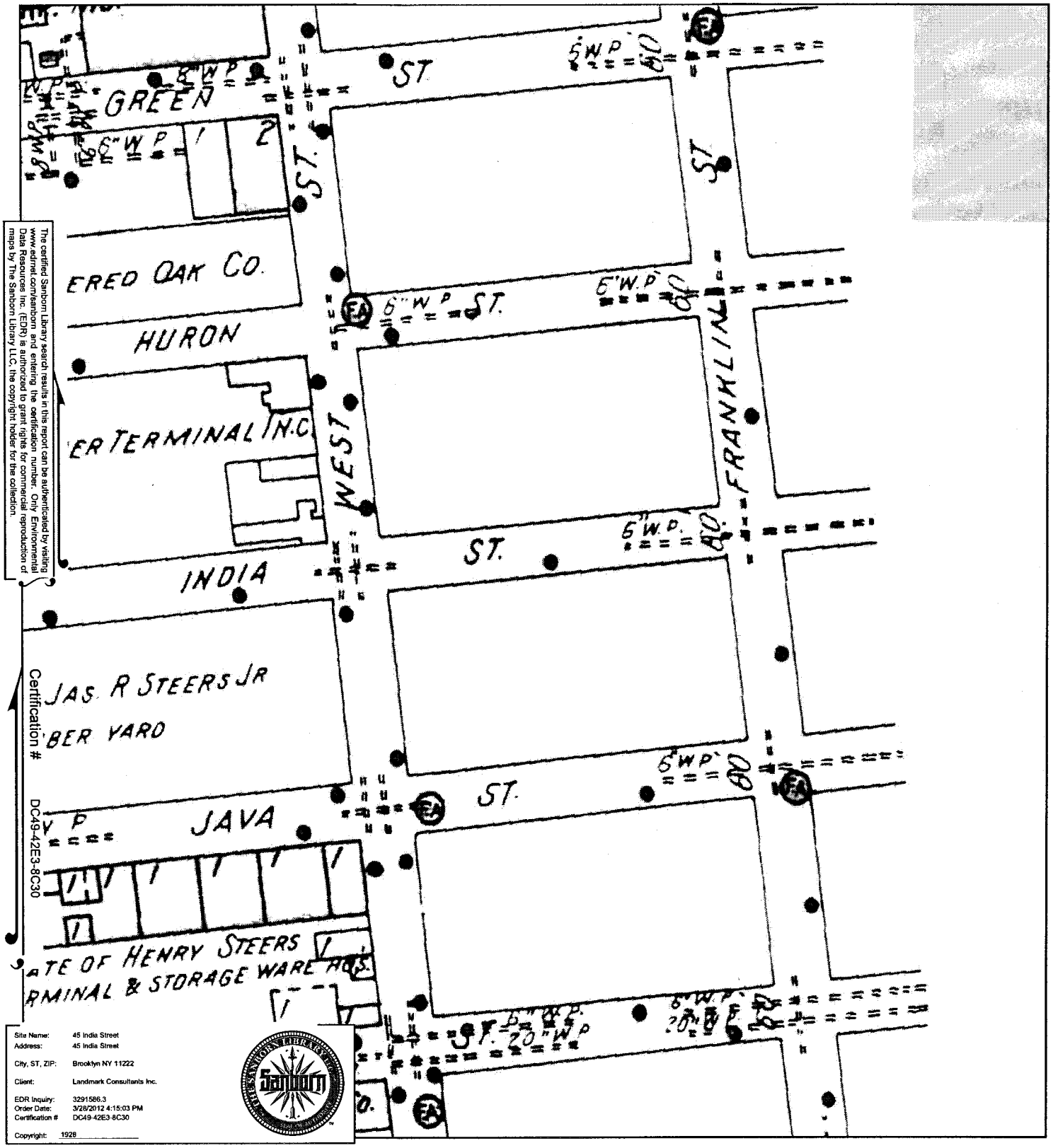

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Copyright:	1928

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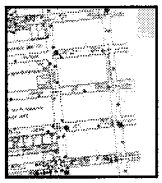

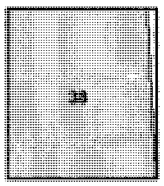

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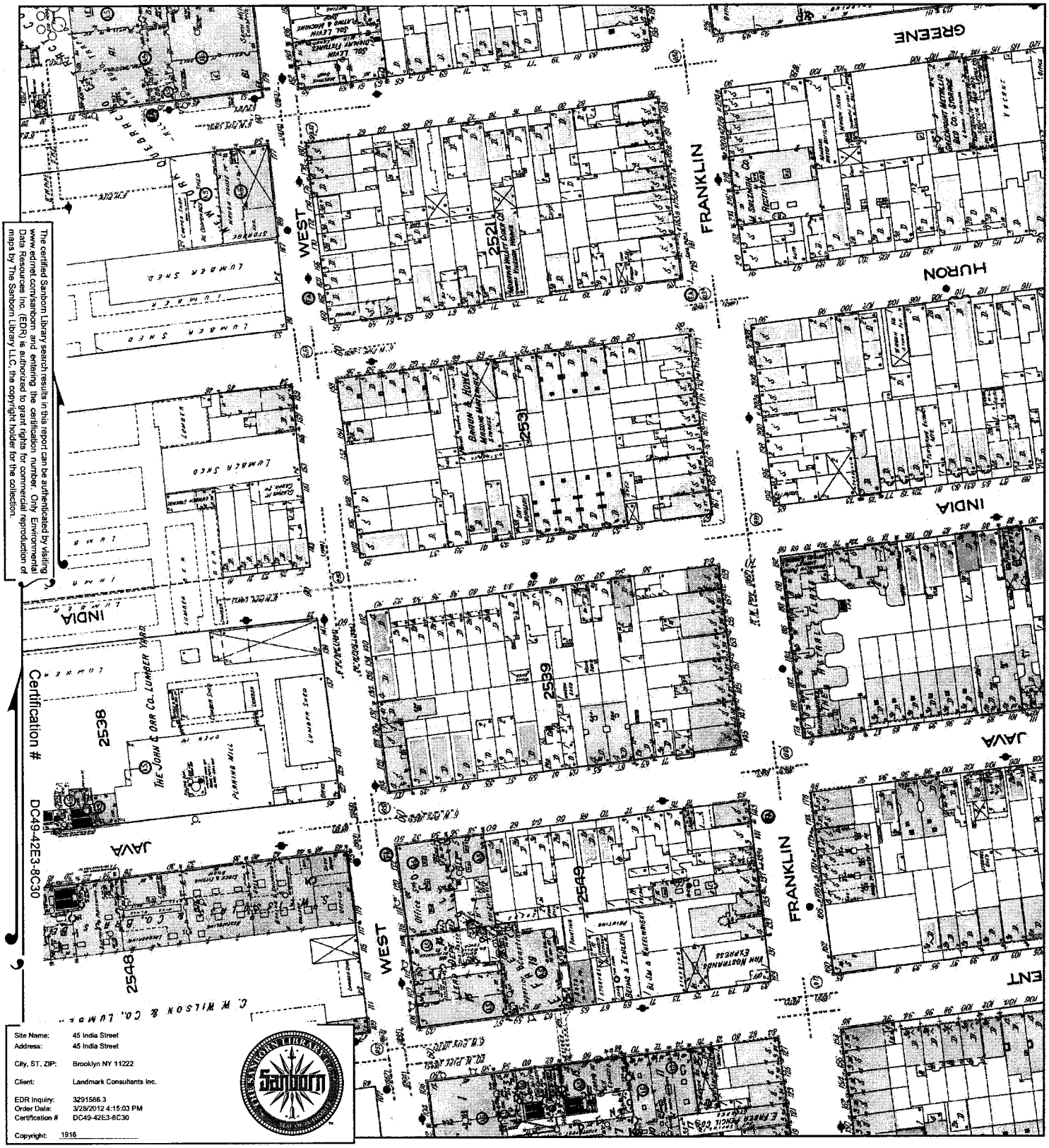
1916 Certified Sanborn Map



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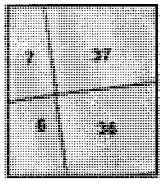

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1905 Certified Sanborn Map

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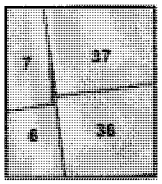

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Volume 4, Sheet 37
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N

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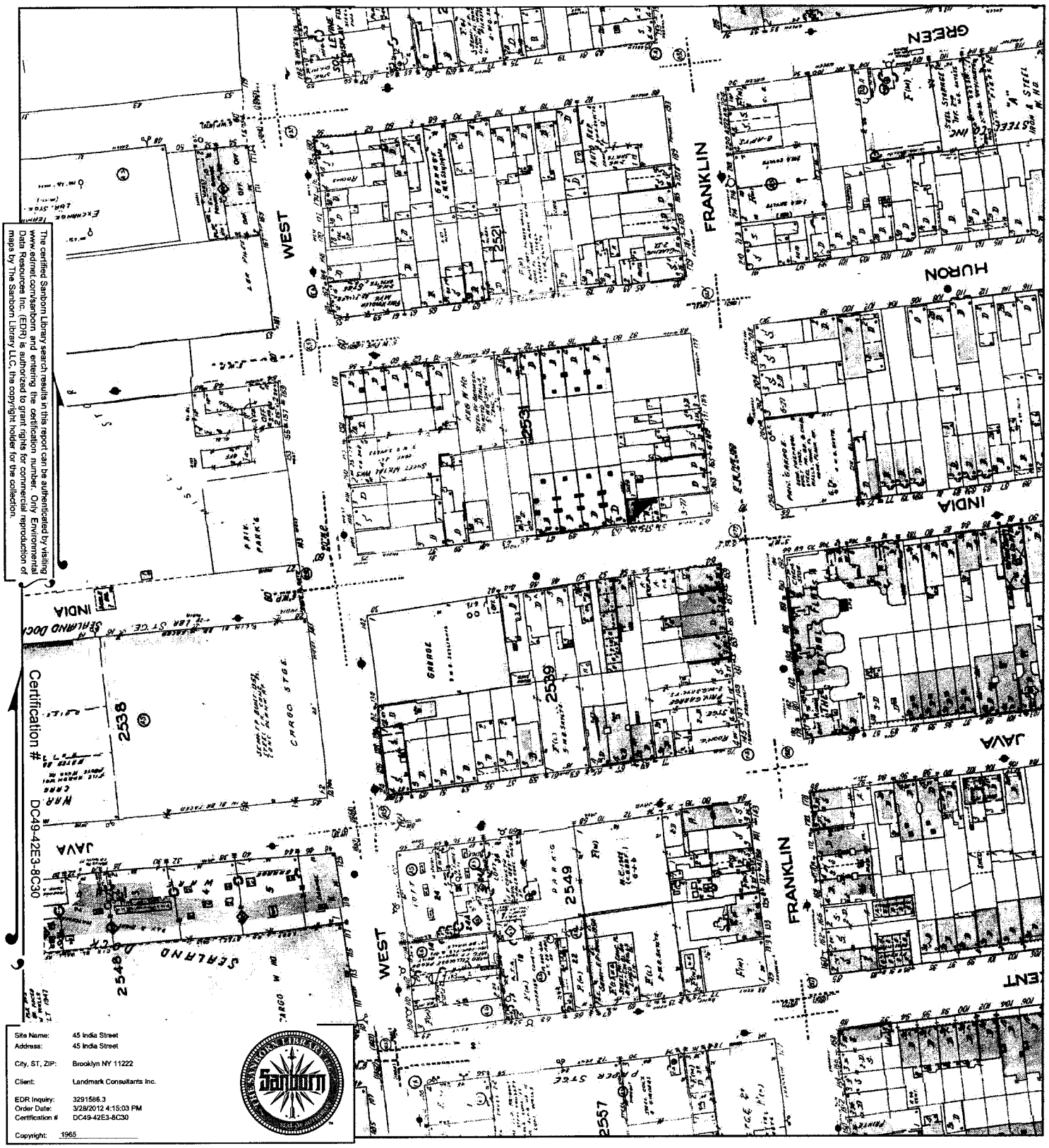

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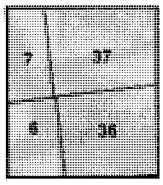

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N

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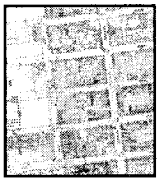

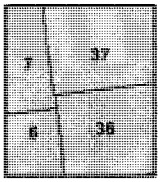

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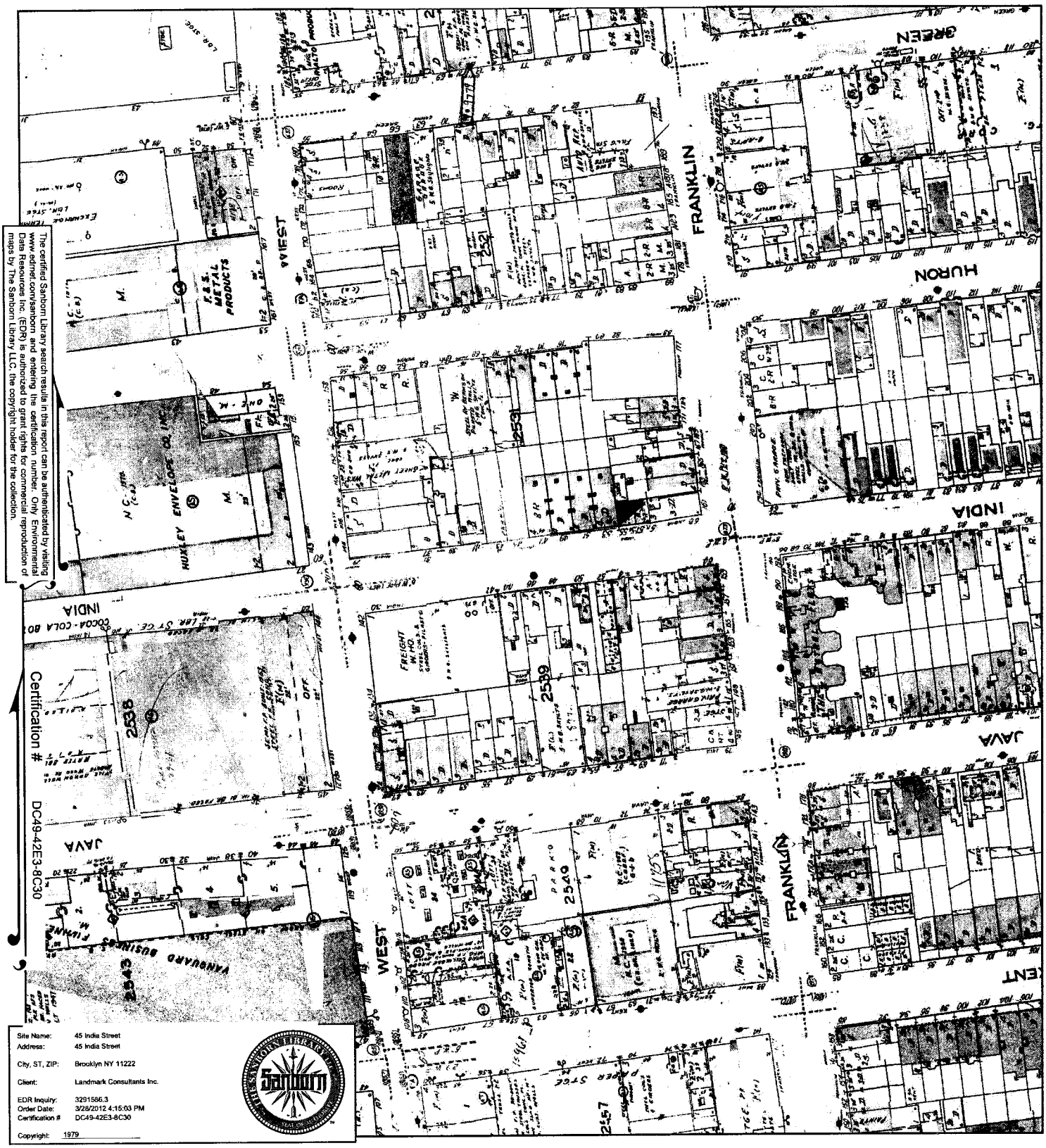
N

1979 Certified Sanborn Map



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Certification #	DC49-42E3-8C30
Copyright:	1979

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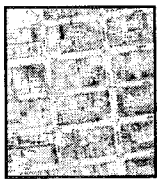

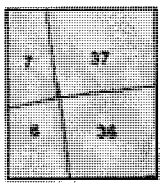

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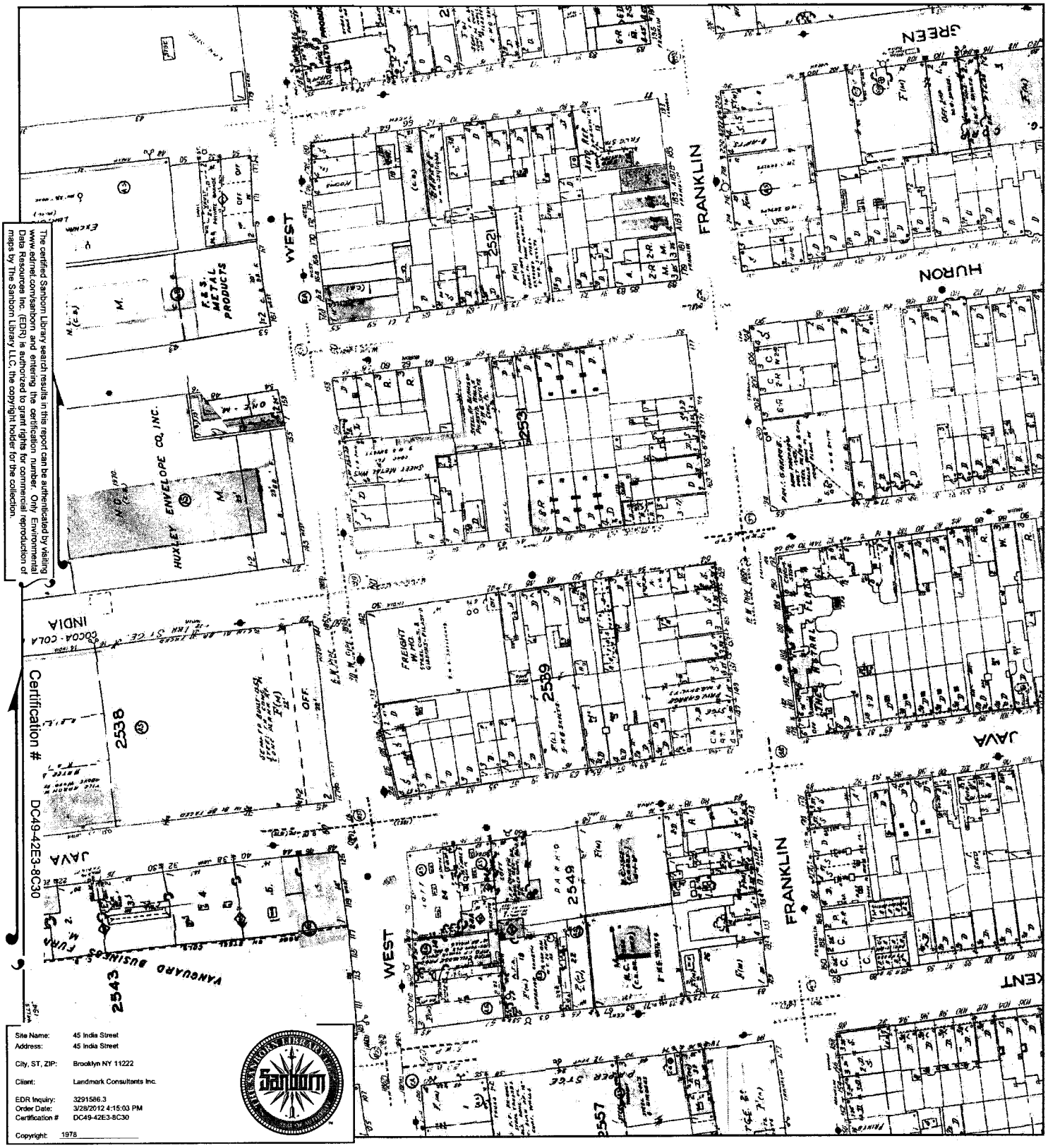

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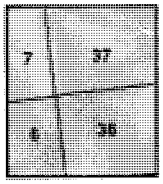

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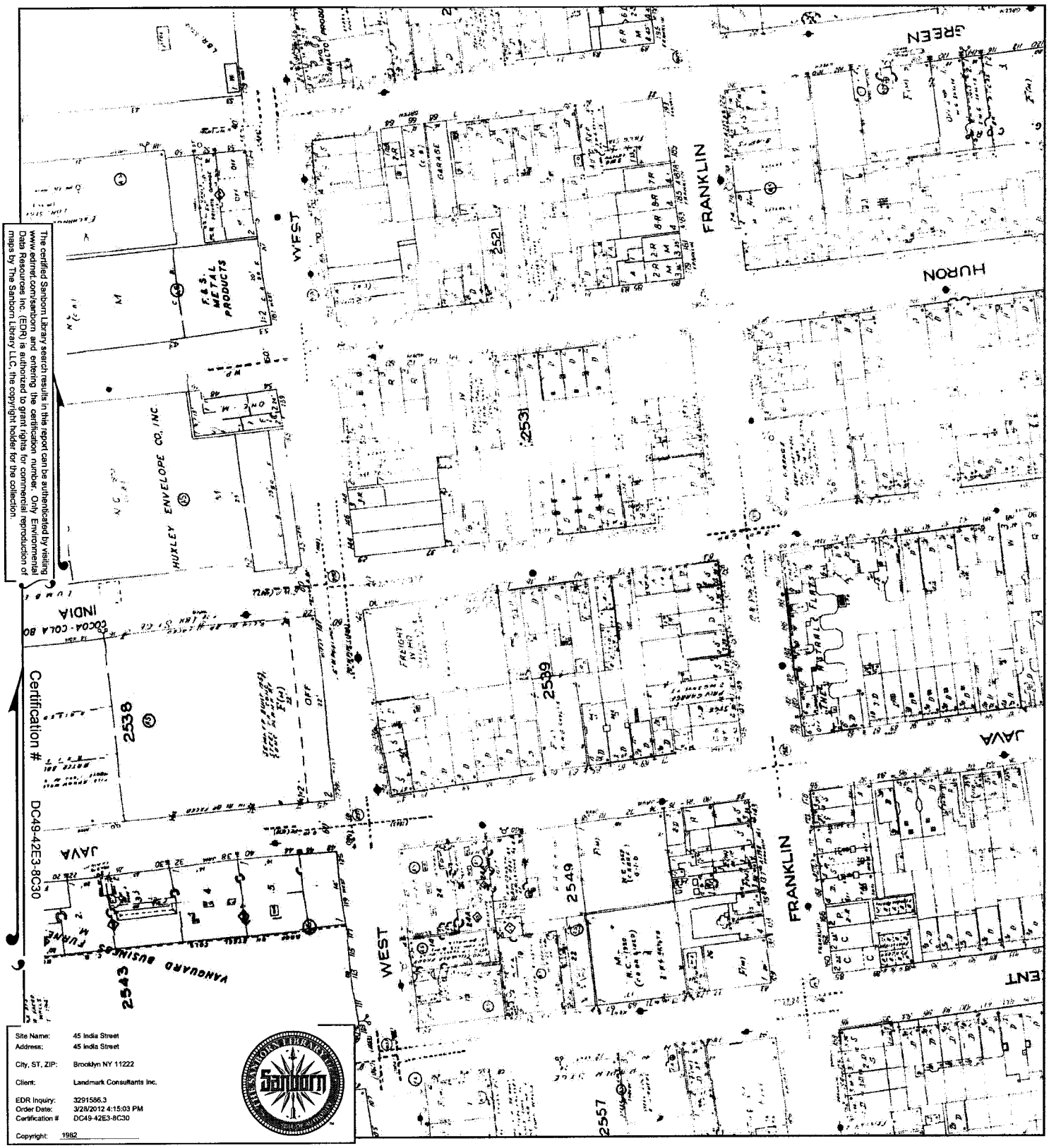

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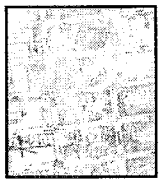

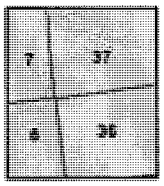

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0 Feet 150 300 600

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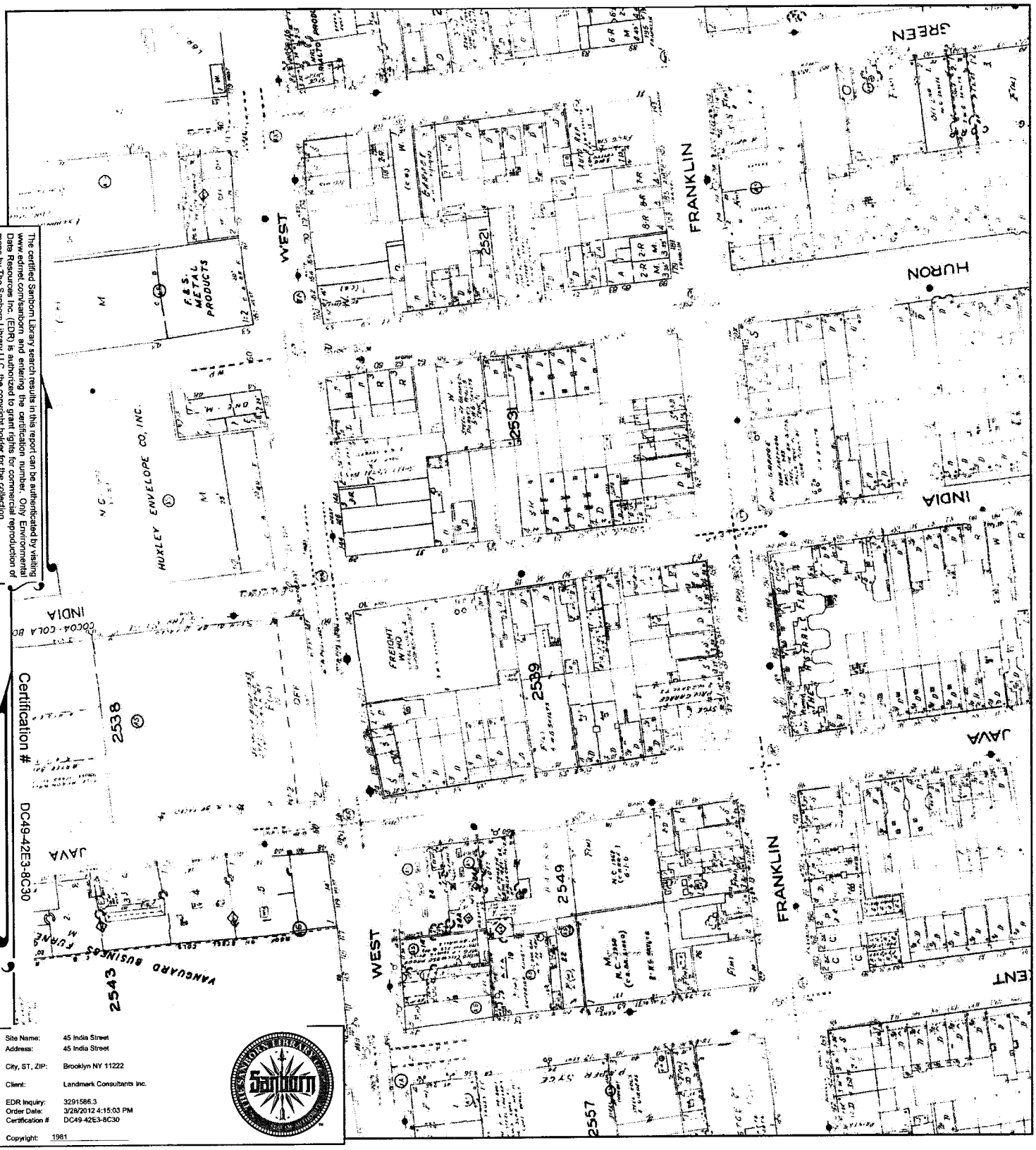
1981 Certified Sanborn Map



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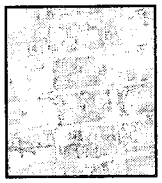

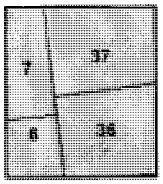

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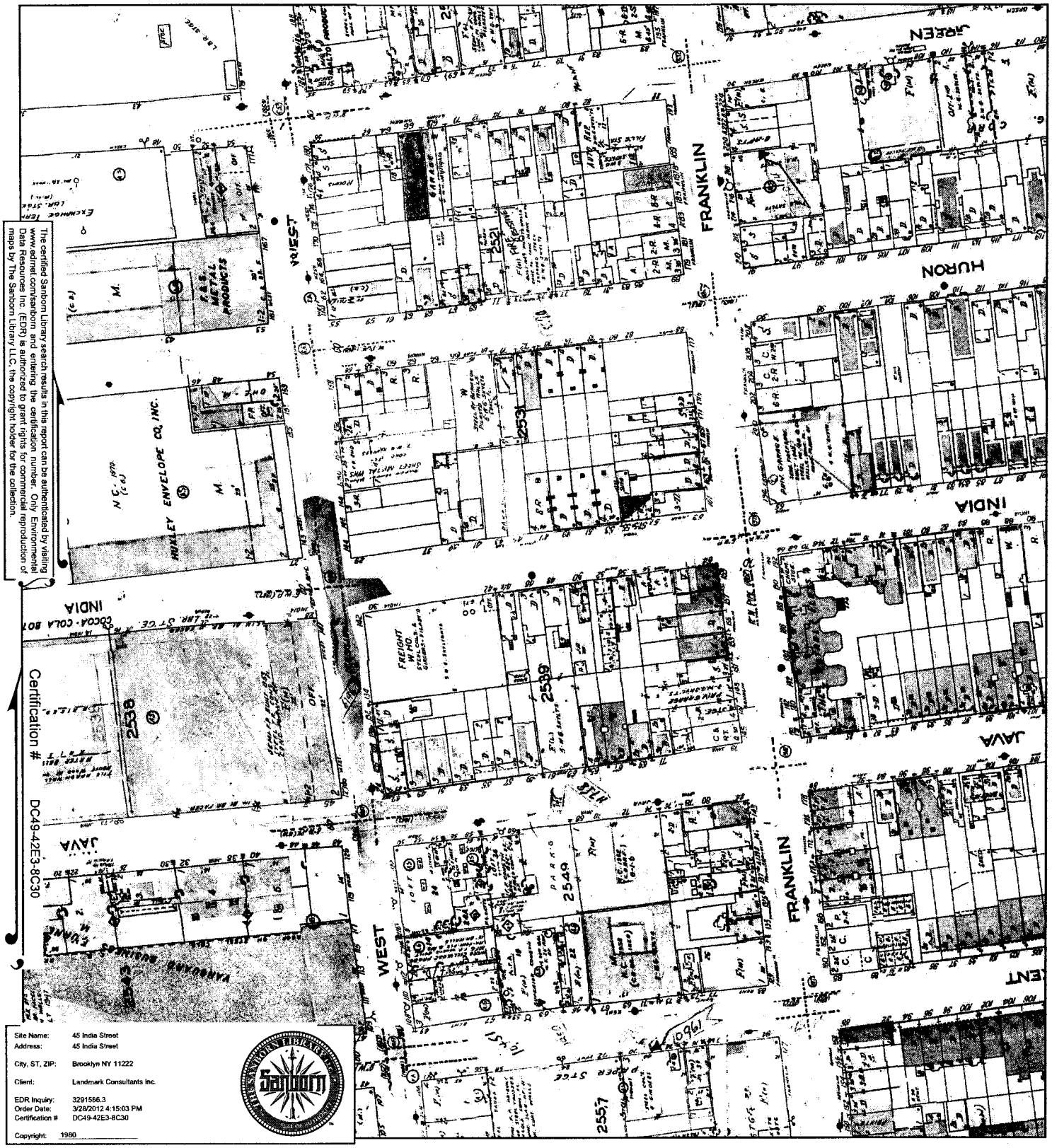

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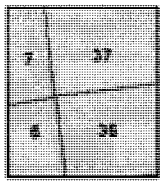

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N

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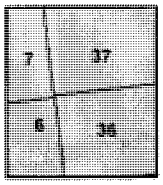

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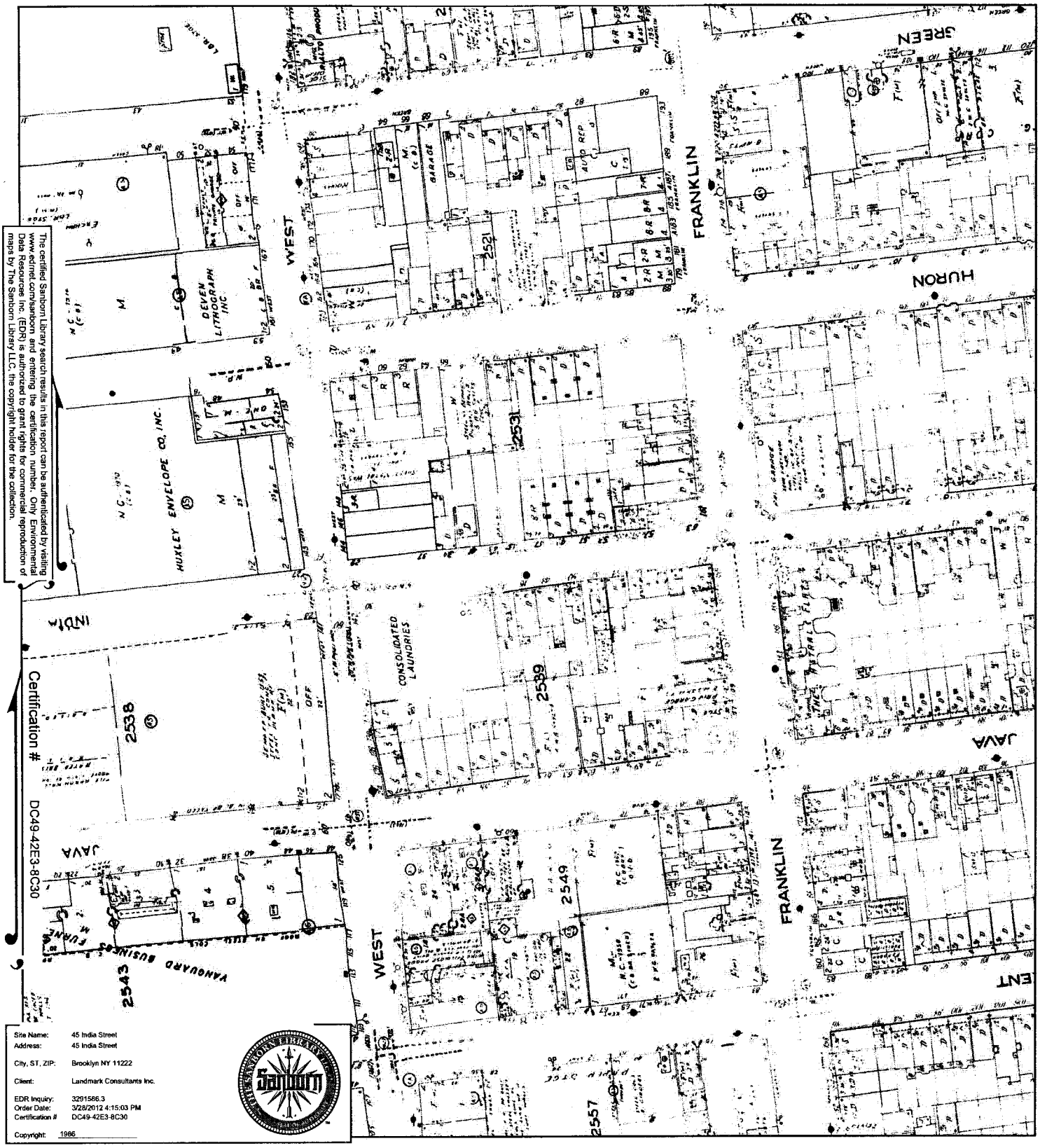

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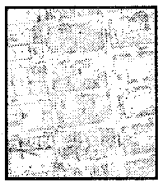

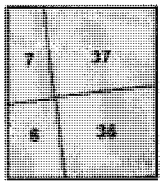

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0 Feet 150 300 600

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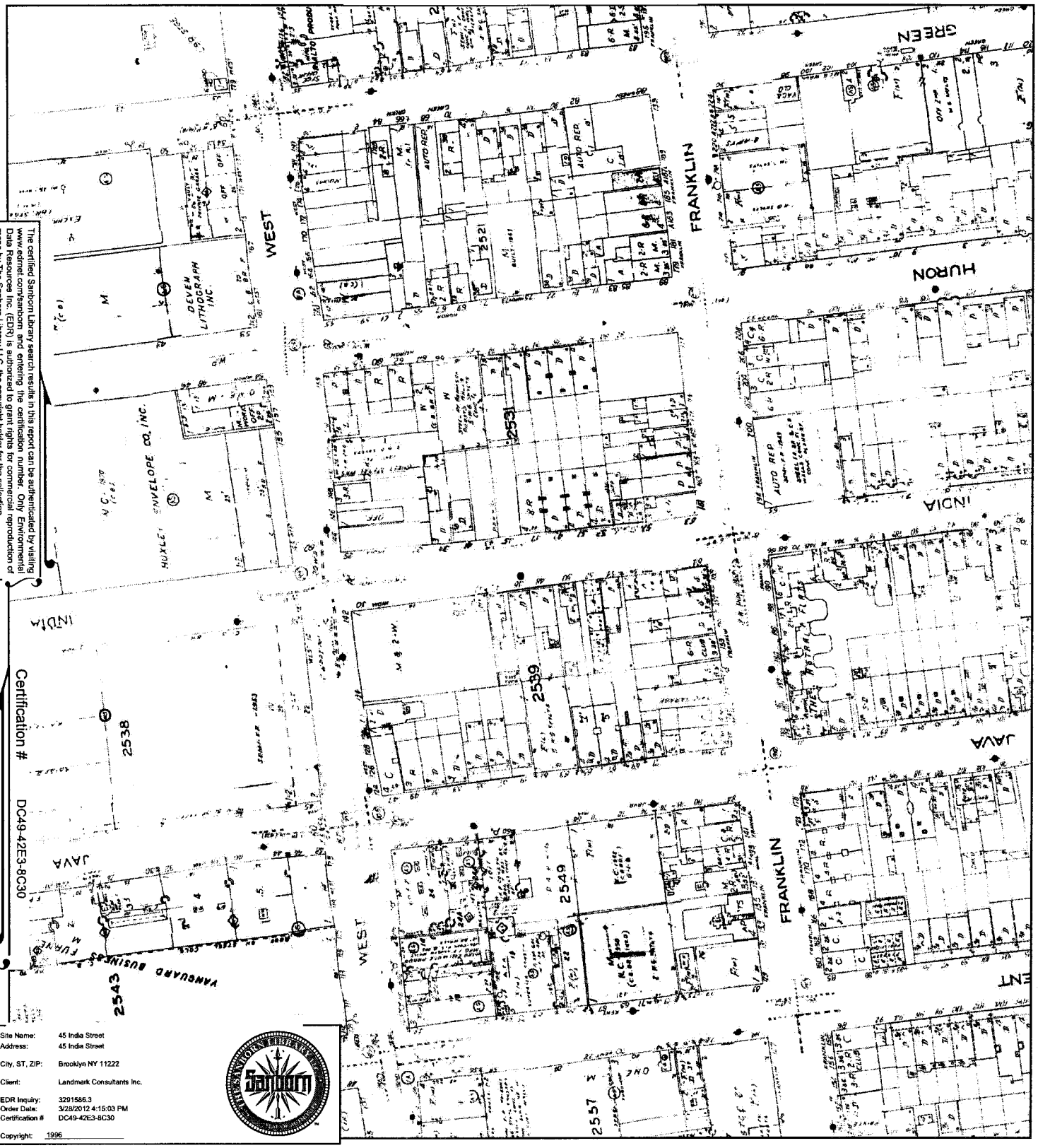

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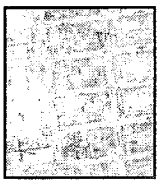

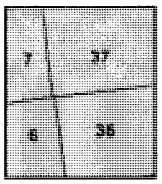

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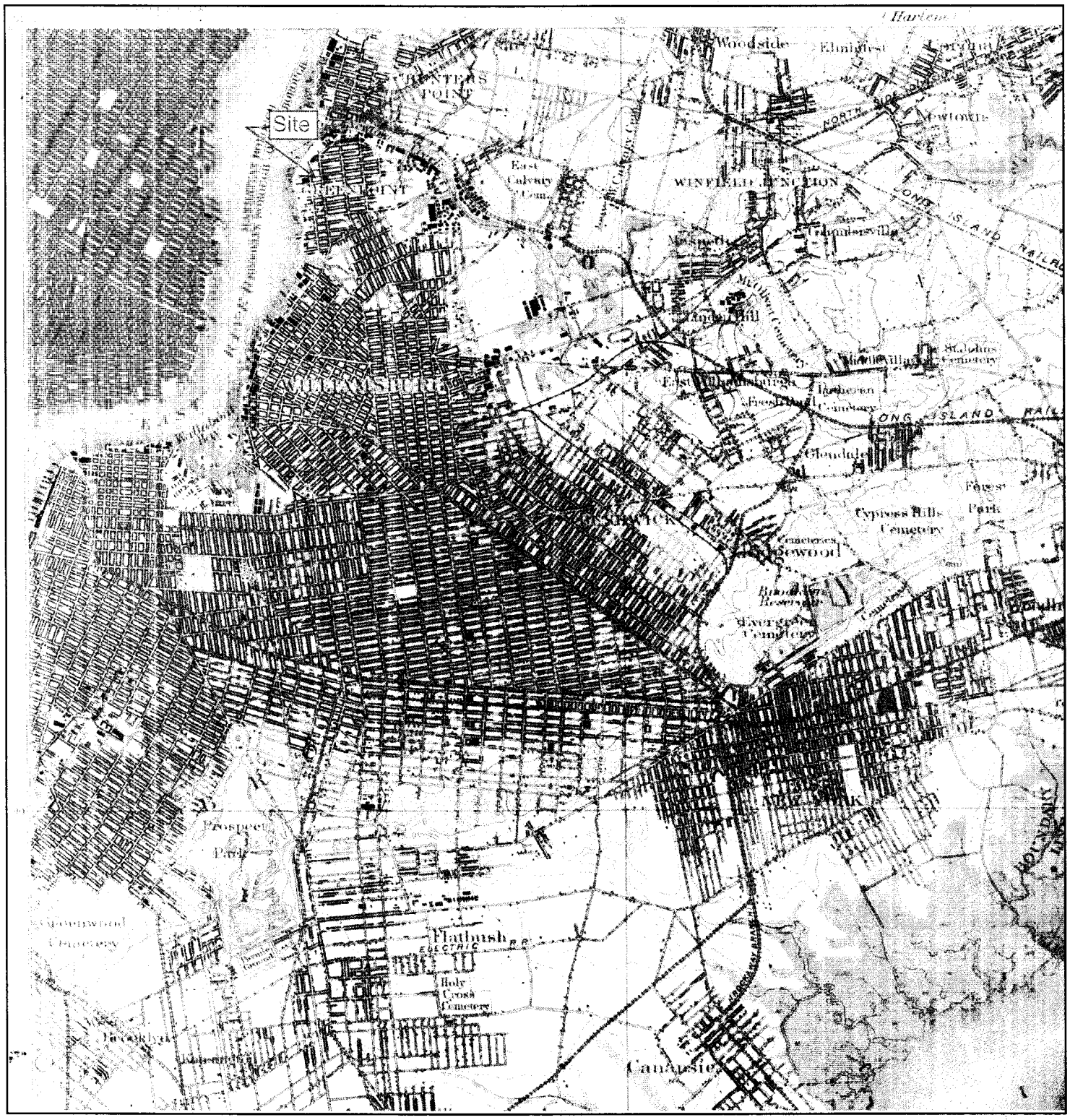
Appendix E
Historical Topographic Maps

Historical Topographic Map



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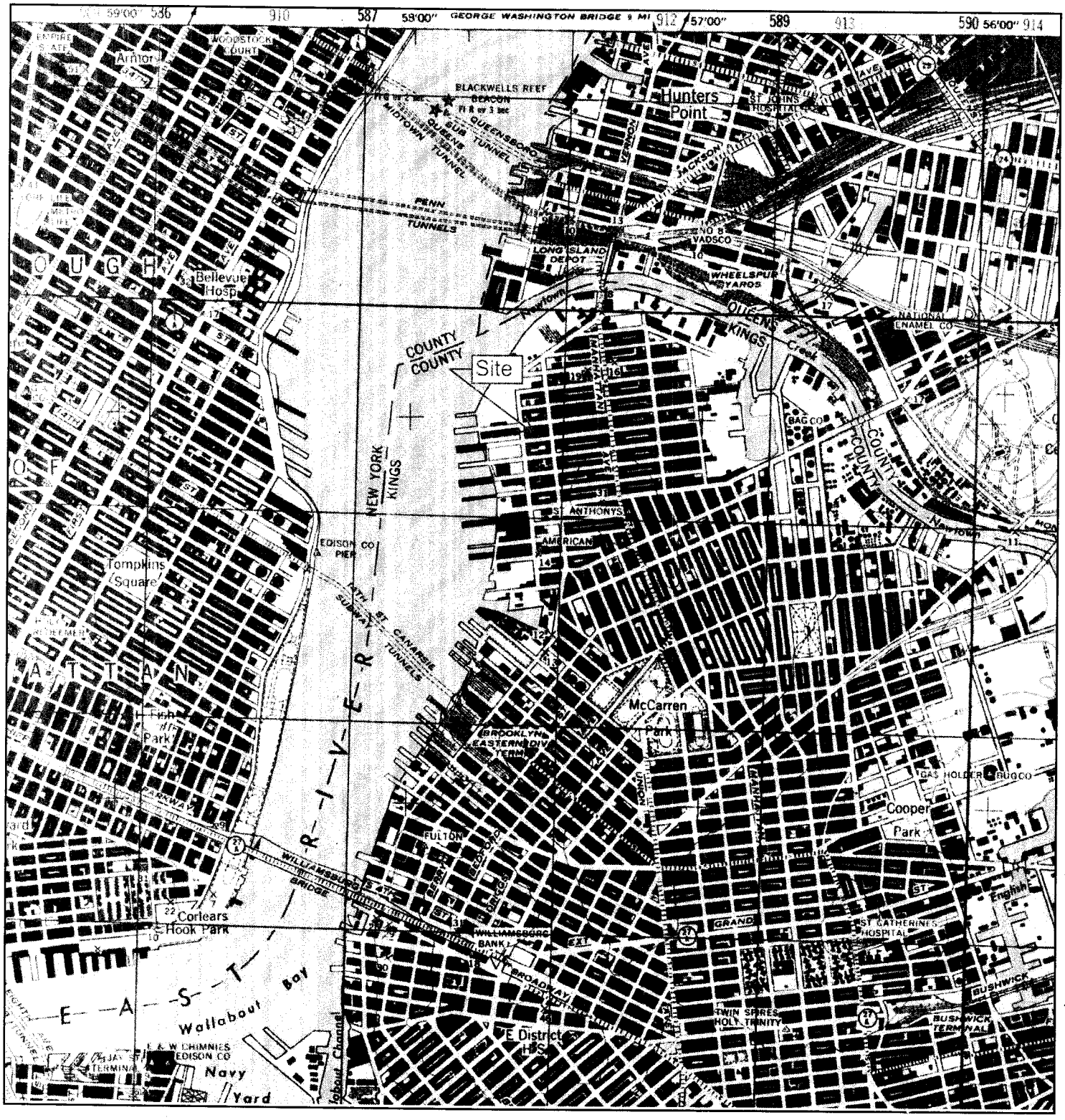
Historical Topographic Map



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Historical Topographic Map

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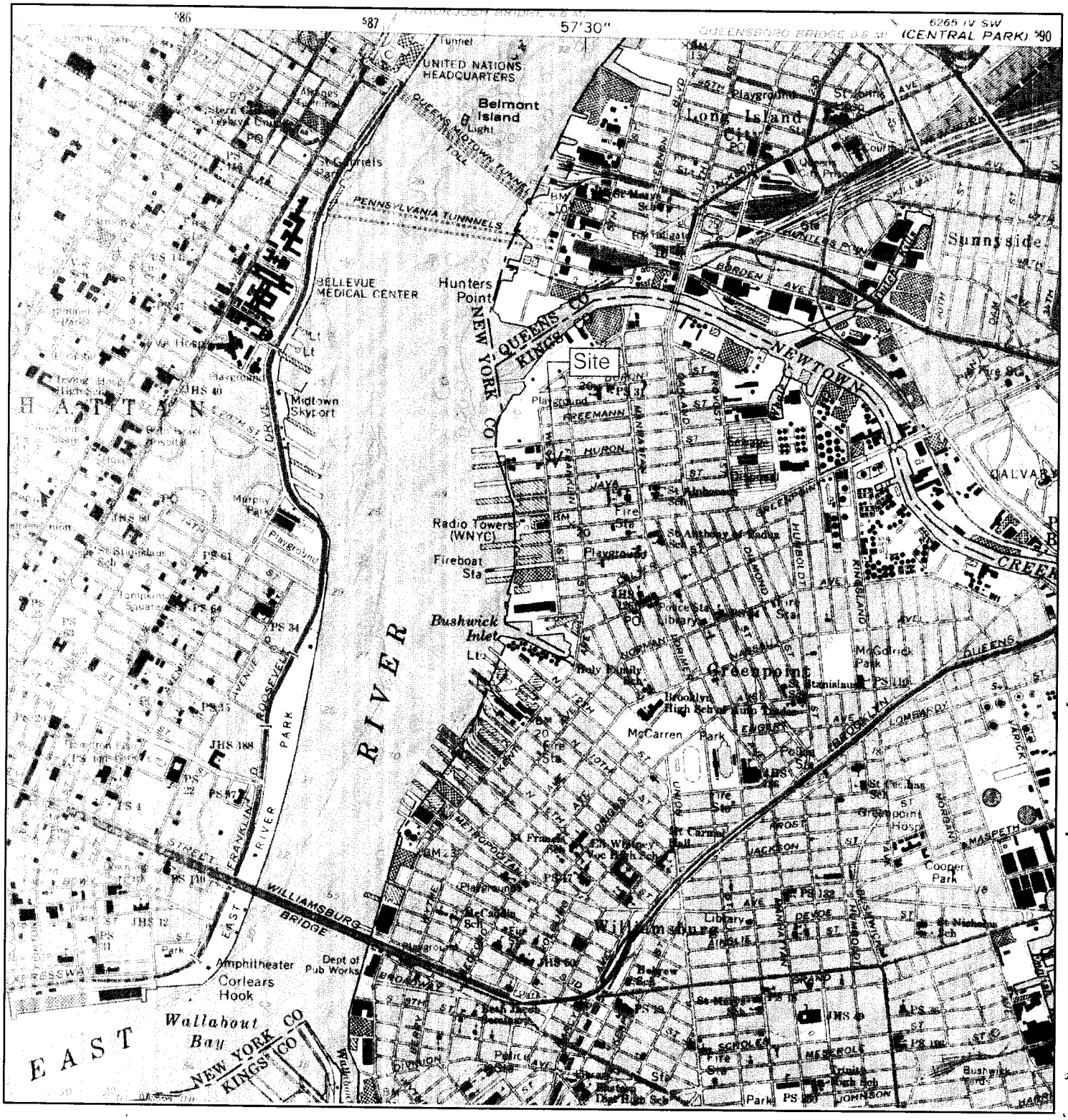
Historical Topographic Map



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Historical Topographic Map

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Historical Topographic Map

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Appendix F
City Directory Abstract

45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.6
March 28, 2012

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2005. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

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

RESEARCH SUMMARY

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

Year	Source	TP	Adjoining	Text Abstract	Source Image
2005	Hill-Donnelly Corporation	-	X	X	-
2000	Cole Information Services	-	X	X	-
1997	NYNEX	-	X	X	-
1992	NYNEX Informantion Resource Co.	-	X	X	-
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1973	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	X	-	X	-
1960	New York Telephone	X	X	X	-
1949	New York Telephone Company	X	-	X	-
1945	New York Telephone	X	-	X	-
1940	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

45 India Street
Brooklyn, NY 11222

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
1965	Mayer John F	New York Telephone
1960	MAYER JOHN F	New York Telephone
	Mayer John F	New York Telephone Company
1949	Mayer John F	New York Telephone Company
1945	Mayer John F	New York Telephone Company
1934	TUOHEY MARY H	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

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

INDIA

39 INDIA

Year	Uses	Source
1997	CAICEDO M	NYNEX
1992	REVELO MARCO	NYNEX Informantion Resource Co.
1985	ABREV JOSE	NYNEX Information Resources Company
	REVELO MARCO	NYNEX Information Resources Company
1976	ABREV JOSE	New York Telephone
1960	KAPTUROVICH ANDREW	New York Telephone
	KELLY GEO W	New York Telephone
1934	MCDONNELL HELEN CLK R	R. L. Polk & Co.
	MCCAULEY ROBT CLK H	R. L. Polk & Co.
	MCCAULEY JAS CHAUF R	R. L. Polk & Co.
	MCCAULEY ELIZ TYPIST R	R. L. Polk & Co.
	HOSZNAY JULIA H	R. L. Polk & Co.
	MCDONNELL JAS LIGHTER CAPT H	R. L. Polk & Co.
	MCDONNELL MARY R	R. L. Polk & Co.

41 INDIA

Year	Uses	Source
1997	RODRIGUEZ A	NYNEX
1992	CAICEDO MARCIA	NYNEX Informantion Resource Co.
	MORALES DAVID	NYNEX Informantion Resource Co.
1985	CAICEDO MARCIA	NYNEX Information Resources Company
	MORALES CHAS	NYNEX Information Resources Company
1976	MORALES CHAS	New York Telephone
	MORALES CHARLES	New York Telephone
1960	SCHNEIDER BARBARA	New York Telephone
1934	SCHWARZ LILLIAN H	R. L. Polk & Co.
	MULDOWNEY ANNA R	R. L. Polk & Co.
	COHEN MARIAN STEN R	R. L. Polk & Co.

FINDINGS

43 INDIA

Year	Uses	Source
1960	MEYER PETER W	New York Telephone
	PISANO JOS	New York Telephone
1934	MCLAUGHLIN PATK H	R. L. Polk & Co.
	MCLAUGHLIN PATK JR R	R. L. Polk & Co.
	MCLAUGHLIN ROSE R	R. L. Polk & Co.
	FLOOD CHAS MASON H	R. L. Polk & Co.
	FLOOD CHAS JR CLK R	R. L. Polk & Co.
	FLOOD VINCENT HLPR R	R. L. Polk & Co.
	MCLAUGHLIN JAS R	R. L. Polk & Co.
	MCLAUGHLIN JOHN R	R. L. Polk & Co.

44 INDIA

Year	Uses	Source
1992	HUBICSAK DENNIS	NYNEX Informantion Resource Co.
1980	PATINO MANUEL	New York Telephone
	THOMAS EDW LEE	New York Telephone
1976	PATINO MANUEL	New York Telephone
	THOMAS EDW LEE	New York Telephone
1960	ALBARRAN WM	New York Telephone
	THOMAS EDW LEE	New York Telephone
1934	CRAIG WM F H	R. L. Polk & Co.
	CRAIG THOS J CLK R	R. L. Polk & Co.
	CRAIG HELEN EMP R	R. L. Polk & Co.
	CRAIG HAROLD R	R. L. Polk & Co.
	MCGIVNEY WM R	R. L. Polk & Co.
	NEWMAN JOHN DRIVER R	R. L. Polk & Co.
	REILLY PATK R	R. L. Polk & Co.
1928	FITZHARRIS C R	New York Telephone

46 INDIA

Year	Uses	Source
1997	HODGIN H	NYNEX
1992	LELEN HENRY F	NYNEX Informantion Resource Co.
1985	RIVERA LUZ	NYNEX Information Resources Company
	LELEN HENRY F	NYNEX Information Resources Company
1976	LELEN HENRY F	New York Telephone
1960	CRAINE E HELEN	New York Telephone
	LELEN CHAS T	New York Telephone

Year	Uses	Source
1960	LELEN KASIMER	New York Telephone
1934	MICHALEWICZ JOS PRSR H	R. L. Polk & Co.
	FORBES JOHN MACH H	R. L. Polk & Co.
	CHRISTIAN JOS H H	R. L. Polk & Co.
1928	MURPHY KATHERINE R	New York Telephone

47 INDIA

Year	Uses	Source
1997	OCHNER Dolores	NYNEX
	RAMLELL J	NYNEX
	SEECHARAN Parvati Devi	NYNEX
1992	COZIER ANTHONY	NYNEX Informantion Resource Co.
	LALJI SAVITA	NYNEX Informantion Resource Co.
	OCHNER DOLORES	NYNEX Informantion Resource Co.
	RAMLALL ROOPNARINE	NYNEX Informantion Resource Co.
	RAMLELL J	NYNEX Informantion Resource Co.
	SAHIBZADA RAHEEL	NYNEX Informantion Resource Co.
1985	ACHAN JOSEPH	NYNEX Information Resources Company
	BHUIYAN ASHRAFUL K	NYNEX Information Resources Company
	GAFFNEY D	NYNEX Information Resources Company
	LALJI MANKAD	NYNEX Information Resources Company
	PARSAN INDARJIT	NYNEX Information Resources Company
1980	WLAYSOWSKL JOS J	New York Telephone
1976	GARCIA BERNARDINO	New York Telephone
	KABANICA V	New York Telephone
	OCHNER VINCENT	New York Telephone
	WLAYSEWSKI JOS J	New York Telephone
1960	ATANACIO SATURNINO	New York Telephone
	GREEN ALEXNDR F	New York Telephone
	PAVANO ANGELO	New York Telephone
	SERAFIN FRANCIS	New York Telephone
	WLAYSEWSKI JOS J	New York Telephone
1934	CERWINSKI WM H	R. L. Polk & Co.
	DZURKO LOUIS H	R. L. Polk & Co.
	GAJKOWSKI FLORENCE R	R. L. Polk & Co.
	GAJKOWSKI WM H	R. L. Polk & Co.
	JUREWICZ PETER FOREMN H	R. L. Polk & Co.
	KROLIKOWSKI STEPH FORMN H	R. L. Polk & Co.
	KUDICH MICHL H	R. L. Polk & Co.

Year	Uses	Source
1934	LATKOWSKI BRONISLAUS DRIVER H	R. L. Polk & Co.
	LATKOWSKI VICTORIA R	R. L. Polk & Co.
	PUCLOSKY EDW R	R. L. Polk & Co.
	PUCLOSKY SIGMUND R	R. L. Polk & Co.
	PUCLOSKY STELLA R	R. L. Polk & Co.
	SZCZEPANSKA MARGT R	R. L. Polk & Co.
	WROBLEWSKI GUSTAVE H	R. L. Polk & Co.

48 INDIA

Year	Uses	Source
1997	CEREZO William	NYNEX
	KELLY Helen M	NYNEX
1992	CEREZO WILLIAM	NYNEX Informantion Resource Co.
	KELLY HELEN M	NYNEX Informantion Resource Co.
1985	KELLY HELEN M	NYNEX Information Resources Company
1976	CAZZOLA M J	New York Telephone
	KELLY HELEN M	New York Telephone
1960	SMITH CHAS E	New York Telephone
	SMITH CHAS T	New York Telephone
1934	HALIMAN EVA H	R. L. Polk & Co.
	HALIMAN REED T BKPR R	R. L. Polk & Co.
	SCHER AGNES R	R. L. Polk & Co.
	SCHER CLARENCE J SLSMN R	R. L. Polk & Co.
	SCHER JOS E IRON WKR H	R. L. Polk & Co.
	YOUNGERMAN LILY H	R. L. Polk & Co.

49 INDIA

Year	Uses	Source
1997	MELNYK Arkadii	NYNEX
	COBO Carlos	NYNEX
1992	HEIJN LISA	NYNEX Informantion Resource Co.
	MARKOWSKI VINCENT	NYNEX Informantion Resource Co.
	MELNYK ARKADLI	NYNEX Informantion Resource Co.
	ZANIEWSKI HENRY K	NYNEX Informantion Resource Co.
1985	MARKOWSKI VINCENT	NYNEX Information Resources Company
	MELNYK ARKADII	NYNEX Information Resources Company
	SMITH KATHERINE	NYNEX Information Resources Company
	ZANIEWSKI HENRY K	NYNEX Information Resources Company
1980	MARKOWSKI VINCENT	New York Telephone

Year	Uses	Source
1980	TOBISS OSKARS	New York Telephone
1976	MARKOWSKI VINCENT	New York Telephone
	MELNYK ARKADIL	New York Telephone
	TOBISS OSKARS	New York Telephone
1960	ACCOVELLI JACK R	New York Telephone
	HROMULAK ANDY	New York Telephone
	WANDERS JOHN	New York Telephone
1934	BASKO MICHL POLICE R	R. L. Polk & Co.
	BASKO JOS R	R. L. Polk & Co.
	DINOSKI ANTHONY LAB H	R. L. Polk & Co.
	DUBINSKI LILLIAN R	R. L. Polk & Co.
	DUBINSKI STANKEY SUGAR WKR H	R. L. Polk & Co.
	GOTARD JOS MACH HLPR H	R. L. Polk & Co.
	IVANS JOHN CLK R	R. L. Polk & Co.
	IVANS MICHL LAB H	R. L. Polk & Co.
	MCCRODDEN MARIE STEN T H FRAZER MORTGAGE CORP R	R. L. Polk & Co.
	MCCRODDEN NEIL DRIVER R	R. L. Polk & Co.
	MCCRODDEN ROSE CLK R	R. L. Polk & Co.
	MCDONNELL KATH R	R. L. Polk & Co.
	MCDONNELL WM CHAUF H	R. L. Polk & Co.
	MCDONNELL WM W R	R. L. Polk & Co.
	SOWA ALBERT R	R. L. Polk & Co.
	BASKO MICHL G POLICE R	R. L. Polk & Co.
	BASKO THOS R	R. L. Polk & Co.

50 INDIA

Year	Uses	Source
1992	WINEMILLER CHAS	NYNEX Informantion Resource Co.
1985	SZUMALA JOAN	NYNEX Information Resources Company
	WINEMILLER CHAS	NYNEX Information Resources Company
1976	STRICKO MICHL	New York Telephone
1960	STRICKO MICHL	New York Telephone
1934	LAFRENZ JOHN P FISH H	R. L. Polk & Co.
	CROWELL HENRIETTA C R	R. L. Polk & Co.
1928	LA FRENZ J P R	New York Telephone

51 INDIA

Year	Uses	Source
1997	KEMDAI Charlie	NYNEX
	RAGHUNATH Iris	NYNEX
	VERIAN Permaul	NYNEX
1992	PIET BOLEK	NYNEX Informantion Resource Co.
	RASHEED FAYYAZ	NYNEX Informantion Resource Co.
	SINGH SAVITRIE DEVI	NYNEX Informantion Resource Co.
	CHARLIE PAMELA	NYNEX Informantion Resource Co.
	KASIMALI CHARITAR	NYNEX Informantion Resource Co.
	KEMDAI CHARLIE	NYNEX Informantion Resource Co.
1985	BISTONATH LLOYD	NYNEX Information Resources Company
	KASIMALI C	NYNEX Information Resources Company
	PIET BOLEK	NYNEX Information Resources Company
	SARABJEET CHEITRAM	NYNEX Information Resources Company
	SOMARU SAHADEO	NYNEX Information Resources Company
1980	PANICH GEORGE	New York Telephone
1976	BETSCH B	New York Telephone
	DORNEY KATIE MRS	New York Telephone
	KOPTEWSKI SERGEI	New York Telephone
	OGRODNICK EMIL	New York Telephone
	STOLSLCL TOMA	New York Telephone
	VON EDELBERG EUGENIE	New York Telephone
1960	DORNEY KATIE MRS	New York Telephone
	KENNEDY SIMON P	New York Telephone
	NORDT JEANNETTE MRS	New York Telephone
	ROMANO PHILIP D	New York Telephone
	TUREK STANLEY F	New York Telephone
1934	KELLY JOHN R	R. L. Polk & Co.
	KELLY STEPH IRON WKR H	R. L. Polk & Co.
	KELLY STEPH JR BRKLYR R	R. L. Polk & Co.
	LELEN CHAS R	R. L. Polk & Co.
	MAIN ALEX LAB H	R. L. Polk & Co.
	MARTIN KATH R	R. L. Polk & Co.
	MARTIN REILLY DRIVER H	R. L. Polk & Co.
	MARTIN REILLY JR	R. L. Polk & Co.
	MCGEE WM AUTO PNTR H	R. L. Polk & Co.
	MICKEL HARRY HLPR H	R. L. Polk & Co.
	SMITH EDW HLPR R	R. L. Polk & Co.

Year	Uses	Source
1934	SMITH	R. L. Polk & Co.
	SMITH JOHN R	R. L. Polk & Co.
	SMITH JOHN LAB H	R. L. Polk & Co.

52 INDIA

Year	Uses	Source
1934	MARTIN THOS CLK R	R. L. Polk & Co.

INDIA ST

39 INDIA ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation
2000	MARCIA CAICEDO	Cole Information Services

INDIA st

39 INDIA st

Year	Uses	Source
1973	Aguayo Enrique	New York Telephone
	Abrev Jose	New York Telephone
1970	Kapturovich Andrew	New York Telephone

INDIA ST

41 INDIA ST

Year	Uses	Source
2005	H Morales David	Hill-Donnelly Corporation
2000	DAVID MORALES	Cole Information Services

INDIA st

41 INDIA st

Year	Uses	Source
1973	Morales Chas	New York Telephone
	Morales Charles	New York Telephone
1970	Gonzales Joe	New York Telephone

FINDINGS

INDIA ST

42 INDIA ST

Year	Uses	Source
2005	Front Row Sweets Inc	Hill-Donnelly Corporation

44 INDIA ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation

INDIA st

44 INDIA st

Year	Uses	Source
1973	Patino Manuel	New York Telephone
	Thomas Edw Lee	New York Telephone
1970	Thomas Edw Lee	New York Telephone
	Patino Manuel	New York Telephone

INDIA ST

46 INDIA ST

Year	Uses	Source
2005	h Geist Helen	Hill-Donnelly Corporation
	h Hodgin H	Hill-Donnelly Corporation
	Rich Kenneth A	Hill-Donnelly Corporation
2000	H HODGIN	Cole Information Services
	MANON GEIST	Cole Information Services
	APARTMENTS	Cole Information Services
	2 HELEN GEIST	Cole Information Services

INDIA st

46 INDIA st

Year	Uses	Source
1973	Lelen Chas T	New York Telephone
	Lelen Chas T	New York Telephone
1970	Lelen Chas T	New York Telephone

FINDINGS

INDIA ST

47 INDIA ST

Year	Uses	Source
2005	Ramlail Jankie	Hill-Donnelly Corporation
	Persaud A	Hill-Donnelly Corporation
	Matthews Alvin	Hill-Donnelly Corporation
	Un Ming	Hill-Donnelly Corporation
	h Seecharan Parvati Devi	Hill-Donnelly Corporation
2000	2 DOLORES OCHNER	Cole Information Services
	JANKIE RAMLALL	Cole Information Services
	P D SEECHARAN	Cole Information Services
	OSCAR VASQUEZ	Cole Information Services
	1L RITTA APPROO	Cole Information Services
	APARTMENTS	Cole Information Services

INDIA st

47 INDIA st

Year	Uses	Source
1973	Morales Frank	New York Telephone
	Wiaysewski Jos J	New York Telephone
	Zuljevic V	New York Telephone
	Krol Theophil T	New York Telephone
	Acosta Felix	New York Telephone
1970	Wiaysewski Jos J	New York Telephone
	Krol Theophil T	New York Telephone
	Albarran Wm	New York Telephone

INDIA ST

48 INDIA ST

Year	Uses	Source
2005	Kelly Helen M	Hill-Donnelly Corporation
	h Cerezo William	Hill-Donnelly Corporation
2000	HELEN M KELLY	Cole Information Services
	3 WILLIAM CEREZO	Cole Information Services
	APARTMENTS	Cole Information Services

FINDINGS

INDIA st

48 INDIA st

Year	Uses	Source
1973	Kennedy Simon	New York Telephone
	Kelly Marie	New York Telephone
	Kelly Helen M	New York Telephone
1970	Smith Chas T	New York Telephone
	Smith Chas E	New York Telephone

INDIA ST

49 INDIA ST

Year	Uses	Source
2005	H Melnyk Arkadii	Hill-Donnelly Corporation
	Drezewiecki H	Hill-Donnelly Corporation
2000	JOHN ZEWERT	Cole Information Services
	APARTMENTS	Cole Information Services
	2R CARIOS COBO	Cole Information Services
	ARKADII MEINYK	Cole Information Services

INDIA st

49 INDIA st

Year	Uses	Source
1973	Tobiss Oskars	New York Telephone
	Melnyk Arkadii	New York Telephone
	Markowski Vincent	New York Telephone
1970	Tobiss Oskars	New York Telephone
	Markowski Irene J	New York Telephone
	Melnyk Arkadij	New York Telephone

INDIA ST

50 INDIA ST

Year	Uses	Source
2005	Handy Gabriel	Hill-Donnelly Corporation
	Bums Kevin	Hill-Donnelly Corporation
	Egan Kevin	Hill-Donnelly Corporation

INDIA st

50 INDIA st

Year	Uses	Source
1973	Stricko Michl	New York Telephone
1970	Stricko Michl	New York Telephone

INDIA ST

51 INDIA ST

Year	Uses	Source
2005	Zola Melissa	Hill-Donnelly Corporation
	h White E	Hill-Donnelly Corporation
	Verian Takranie vv w	Hill-Donnelly Corporation
	H Somwaru Sylvia	Hill-Donnelly Corporation
	Aba Kimberiy	Hill-Donnelly Corporation
	h lid S	Hill-Donnelly Corporation
2000	JAMES WILLIAMS	Cole Information Services
	E WHITE	Cole Information Services
	PERMAUL VERIAN	Cole Information Services
	IL SYLVIA SOMWARU	Cole Information Services
	MARCO BOGAZZI	Cole Information Services
	2L DANIELE BAUMBERGER	Cole Information Services
	APARTMENTS	Cole Information Services

INDIA st

51 INDIA st

Year	Uses	Source
1973	Von Edelberg Eugenie	New York Telephone
	Betsch B	New York Telephone
	Dorney Katie Mrs	New York Telephone
	Koptewski Sergei	New York Telephone
	Trpcevski Slavko	New York Telephone
1970	Turok Blanche	New York Telephone
	Betsch B	New York Telephone
	Dorney Katie Mrs	New York Telephone
	Kennedy Margaret	New York Telephone
	Koptewski Sergei	New York Telephone
	Scott Kenneth	New York Telephone

Appendix G
Environmental Lien Search

45 India Street
45 India Street
Brooklyn, NY

Inquiry Number: 3291586.7
April 01, 2012

The EDR Environmental LienSearch™ Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

45 India Street
45 India Street
Brooklyn, NY

RESEARCH SOURCE

Source 1: Kings City Register
Source 2: Kings County Clerk
Source 3: Kings Department of Finance

DEED INFORMATION

Deed 1:

Type of Deed: Bargain and Sale Deed with Covenant against Granto
Grantor: Robert Ciani, Ronald Palmerick and 66-68 Huron Street Co. a New York corporation
Grantee: Kenry Corp., a New York corporation
Deed Recorded: 04/10/2000
Instrument: Book 4828, Page 2292

LEGAL DESCRIPTION

Lot 35, Block 2531, situated and lying in the City of Brooklyn, Kings County, State of New York

Property Identifier: Block 2531 Lot 35

ENVIRONMENTAL LIEN

Found: ☐ Not Found: ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Found: ☐ Not Found: ☒

EDR Environmental LienSearch™ Report

Deed - Exhibit

Form 802 (W99) Bargain and Sale Deed, with Convenants against Grantor's Acts -- Individual or Corporation
CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT - THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made the 3rd day of MARCH, 2000 and

1680

BETWEEN ROBERT CIANI, RESIDING AT 5013 MAYWOOD DR., SEAFORD, NY; RONALD PALMERICK, RESIDING AT 417 GROVE ST., ORADELL, NJ; EDMUND MEI, RESIDING AT 3 RIDGE TERRACE, EMERSON, NJ; AND 66-68 HURON STREET CO., A DOMESTIC NEW YORK PARTNERSHIP, ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, HAVING ITS PRINCIPAL OFFICES AT 66-68 HURON STREET, BROOKLYN, NEW YORK

a/k/a Ronald Palmerick

Party of the first part, and KENRY CORP., A NEW YORK CORPORATION, HAVING AN ADDRESS AT 66-68 HURON STREET, BROOKLYN, NEW YORK

Party of the second part.

WITNESSETH, that the party of the first part, in consideration of ten dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the

SEE SCHEDULE "A" ANNEXED HERETO

Block 2531, Lot 12 (for 66-68 Huron Street, Brooklyn, New York); and Block 2531, Lots 35 and 36 (for 45 India Street, Brooklyn, New York).

TOGETHER with all right, title and interest, if any, of the party of the first part, in and to any streets and roads abutting the above-described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Robert Ciani
ROBERT CIANI

RONALD PALMERICK a/k/a Ronald Palmerick

Edmond Mei
66-68 HURON STREET CO.

BY
EDMUND MEI

RECD 0 8 3 8 PM 2 2 9 2

SCHEDULE A DESCRIPTION CONTINUED

Title Number: 317K07261

SO IN ORIGINAL

BLOCK 2531 LOTS 12, 35 AND 36 ON THE TAX MAP OF KING COUNTY

OVERALL DESCRIPTION

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

BEGINNING at a point on the southerly side of Huron Street, distant 125 feet easterly from the corner formed by the intersection of the southerly side of Huron Street with the easterly side of West Street;

RUNNING THENCE southerly parallel with the easterly side of West Street, 100 feet;

THENCE easterly parallel with the southerly side of Huron Street, 25 feet;

THENCE southerly parallel with the easterly side of West Street, 100 feet to the northerly side of India Street;

THENCE easterly along the northerly side of India Street, 50 feet;

THENCE northerly parallel with the easterly side of West Street, 100 feet;

THENCE westerly parallel with the southerly side of Huron Street, 25 feet;

THENCE northerly parallel with the easterly side of West Street, 100 feet to the southerly side of Huron Street;

AND THENCE westerly along the southerly side of Huron Street, 50 feet to the point or place of BEGINNING.

SCHEDULE A DESCRIPTION CONTINUED

Title Number: 317K07261

SECTION 9 BLOCK 2531 LOTS 35 AND 36 ON THE TAX MAP OF KINGS COUNTY

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, bounded and described as follows:

PARCEL A - LOT 35
BEGINNING at a point on the northerly side of India Street, distant 175 feet easterly from the corner formed by the intersection of the northerly side of India Street, with the easterly side of West Street;

AND THENCE northerly parallel with West Street, a distance of 100 feet;

THENCE easterly parallel with India Street, a distance of 25 feet;

THENCE southerly parallel with West Street, a distance of 100 feet to the northerly side of India Street;

AND THENCE westerly along the northerly side of India Street, a distance of 25 feet to the point or place of BEGINNING.

PARCEL B (LOT 36)
BEGINNING at a point on the northerly side of India Street, distant 150 feet easterly from the corner formed by the intersection of the northerly side of India Street, with the easterly side of West Street;

AND THENCE northerly parallel with West Street, a distance of 100 feet;

THENCE easterly parallel with India Street, a distance of 25 feet;

THENCE southerly parallel with West Street, a distance of 100 feet, to the northerly side of India Street;

AND THENCE westerly along the northerly side of India Street, a distance of 25 feet, to the point or place of BEGINNING.

SCHEDULE A DESCRIPTION

REEL 4838 PG 2295

Title Number: 317E07261

SEE IN ORIGINAL

SECTION 9 BLOCK 2531 LOT 1: ON THE TAX MAP OF KINGS COUNTY

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough of Brooklyn, County of Kings, City and State of New York, known and designated on a certain map on file the Office of the Register, Kings County entitled Map of Greenpoint Farm, situated in the Town of Bushwick and nearly opposite the Dry Dock, showing same as subdivided into lots, belonging to the Estate of John A. Meserole, deceased, surveyed 11/1836, by Daniel Ewen, as Lots No. 455 and 457 and which said lots when taken together, are bounded and described as follows:

BEGINNING at a point on the southerly side of Huron Street, distant 125 feet easterly from the southeasterly corner of Huron Street and West Street;

RUNNING THENCE easterly along the southerly side of Huron Street, 50 feet;

THENCE southerly parallel with West Street, 100 feet;

THENCE westerly parallel with Huron Street, 50 feet;

THENCE northerly parallel with West Street, 100 feet to the point or place of BEGINNING.

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

REEL 838 PG 2296

State of New York, County of ~~SUFFOLK~~ Queens, ss:

On the 19TH day of NOVEMBER, in the year 1999, before me, the undersigned, personally appeared ROBERT CIANI, RONALD PALMERICK & EDMUND MEI

Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) 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.

Ronald Palmerick

NOTARY PUBLIC

CHRISTOPHER FANNING
Notary Public, State of New York
No. 02FA6007724
Qualified in Nassau County
Commission Expires May 28, 20__

ACKNOWLEDGEMENT TAKEN IN NEW YORK STATE

State of New York, County of , ss:

On the day of , in the year , before me, the undersigned, personally appeared

Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) 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

ACKNOWLEDGEMENT TAKEN OUTSIDE NEW YORK STATE

State of , County of , ss:

On the day of , in the year , before me, the undersigned, personally appeared

Personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) 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, and that such individual made such appearance before the undersigned in the

(add the city or political subdivision and the state or country or other place the acknowledgement was taken)

NOTARY PUBLIC

TITLE NO.: 317k07261 (HOME ABSTRACT)

BARGAIN AND SALE DEED

W/COVENANT AGAINST GRANTOR'S ACTS

ROBERT CIANI, RONALD PALMERICK & EDMUND MEI & 66-68 HURON STREET CO.

TO

KENRY CORP.

SECTION:
BLOCK: 2531 2531
LOT: 12 35 & 36
COUNTY OR TOWN: KINGS
RECORD AND RETURN TO:
ROBSON, FERBER FROST CHAN & ESSNER, LLP
530 5TH AVENUE, NEW YORK, NY 10036
ATTENTION: STUART ANTELL, ESQ.

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

25 x 17

Rec 4838132297

CITY REGISTER RECORDING AND ENDORSEMENT PAGE
- KINGS COUNTY -
(This page forms part of the instrument)

WRITE BLOCK & LOT INFORMATION IN BLOCK/LOT FORMAT. IF ONLY PART OF LOT, WRITE P/O BEFORE LOT NUMBER.

Block/Lot(s): 2531
12 / 35 / 36

PREMISES: 66,68 Huron St. & 43,45 Ind

Title/Agent Company Name: Home Abstract

Title Company Number: 317K 07261

TOTAL NUMBER OF PAGES IN DOCUMENT INCLUDING THIS PAGE: 6

RECORD & RETURN TO:

NAME: Robson Forber Attn: Stuart Antell

ADDRESS: 530 5th Avenue

CITY: NY STATE: NY. ZIP: 10036

DO NOT USE ONLY - DO NOT WRITE BELOW THIS LINE

THE FOREGOING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:

Examined by (✓): GT

Mtge Tax Serial No.

Mtge Amount $

Taxable Amount $

Exemption (✓) YES ☐ NO ☐

Type: [3338] [356] [OTHER]

Dwelling Type: [1 to 2] [3] [4 to 6] [over 6]

TAX RECEIVED ON ABOVE MORTGAGE

County (basic) $

City (Add'l) $

Spec Add'l $

TASF $

MTA $

NYCTA $

TOTAL TAX $

Apportionment Mortgage (✓) YES ☐ NO ☐

Joy A. Sobrow, City Register

City Register Serial Number: 056147

Indexed By (✓):

Verified By (✓):

Block(s) and Lot(s) verified by (✓):

Address ☑ 2, V. Tax Map ☐

Extra Block(s) Lot(s)

Recording Fee A $ 47.

Affidavit Fee (C) $

TP-584/582 Fee (Y) $

RPTT Fee (R) $ 5.

HPD-A ☐ HPD-C ☐

New York State Real Estate Transfer Tax

$ 1 - 80.

Serial Number: 021745

New York City Real Property Transfer Tax Serial Number: 10170

New York State Gains Tax Serial Number: DEED 0517 47.00

LOTTL CHR RCPT DATE TIME

RECORDED IN KINGS COUNTY
OFFICE OF THE CITY REGISTER

2005 APR 10 A 11:03

Witness My Hand and Official Seal

Joy A. Sobrow, City Register

CRGP MBR BPG 1296

(1)

Building Profile - Exhibit

NYC Buildings

NYC.gov always open

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NYC Department of Buildings

Property Profile Overview

45 INDIA STREET **BROOKLYN 11222** **BIN# 3819303**

INDIA STREET 45 - 45

Census Tract : 563
Community Board : 301

Tax Block : 2531
Tax Lot : 35
Condo : NO
Vacant : YES

View DCP Addresses... **Browse Block**

View Zoning Documents **View Challenge Results** **View Certificates of Occupancy**

Cross Street(s):	WEST STREET, FRANKLIN STREET		
DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		
Additional Designation(s):	GW - GREENPOINT-WILLIAMSBURG ANTI-HARASSMENT		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. Click here for more information

Department of Finance Building Classification: Z9-MISCELLANEOUS

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	0	0
Violations-DOB	0	0
Violations-ECB (DOB)	0	0
Jobs/Filings	6	
ARA / LAA Jobs	0	
Total Jobs	6	
Actions	8	

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

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

Buildings

NYC.gov always open

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NYC Department of Buildings

ECB Query By Location

Premises: **BIN:** **Block:** **Lot:** **CB:**

Dept. of Buildings Violations & Compliance	
Total Issued = 292	Open (Non-Compliance) = 195

ECB Hearings	
Completed / Defaulted = 285	Pending = 7

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
34903301M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	CHURCH AVE.COMMUNITY DEVE **Inspect Unit:** SEU	IN VIOLATION	05/10/2011 **Viol Type:** CONSTRUCTION	303	$0.00
32067730R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	BLUE RIDGE FARMS **Inspect Unit:** BOILER DIVISION	DEFAULT	12/15/2009 **Viol Type:** BOILER	154	$5,000.00
34845776N	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	KAHAL TOLDOS TZVID' SPINK **Inspect Unit:** STALLED SITES	DEFAULT	06/14/2010 **Viol Type:** CONSTRUCTION	104	$5,000.00
34935008J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	1824 LUQUER ST R **Inspect Unit:** STALLED SITES	DEFAULT	01/25/2012 **Viol Type:** CONSTRUCTION	207	$4,000.00
34935019P	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	CONGREGATION TIFERETH TOM **Inspect Unit:** STALLED SITES	DEFAULT	01/27/2012 **Viol Type:** CONSTRUCTION	211	$4,000.00
34935020M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	CONGREGATION TIFERETH TOM **Inspect Unit:** STALLED SITES	DEFAULT	01/27/2012 **Viol Type:** CONSTRUCTION	207	$4,000.00
34540840L	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	CITY IRON CORP **Inspect Unit:** CRANE & DERRICKS	IN VIOLATION	10/15/2007	BV4	$0.00
34885419L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	CHURCH AVENUE COMUNITY DE **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	03/16/2011	263	$800.00
36010535J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	NAVY YARD HOUSING DEVELOP **Inspect Unit:** LOCAL LAW 11/98	DEFAULT	12/04/2009 **Viol Type:** CONSTRUCTION	227	$4,000.00
34215546L	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	OWNER OF PREMISES 94 LUGU	IN VIOLATION	12/01/1999 **Viol Type:** CONSTRUCTION	B31	$0.00

34194677L	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	HOUSING PRESERVATION DEVE	WRITTEN OFF	06/18/1999 **Viol Type:** CONSTRUCTION	B07	$0.00
32046388H	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	APPLE BANK FOR SAVINGS **Inspect Unit:** BOILER DIVISION	IN VIOLATION	10/08/2004 **Viol Type:** BOILER	B4A	$0.00
32047230M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	BLUE RIDGE FARMS **Inspect Unit:** BOILER DIVISION	DEFAULT	03/18/2005 **Viol Type:** BOILER	B4A	$0.00
34687769Y	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	DENNIS SHARMA **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	09/11/2008 **Viol Type:** CONSTRUCTION	101	$1,600.00
34414338Z	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	ANTHONY FERNICOLA **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	02/25/2004 **Viol Type:** CONSTRUCTION	B50	$0.00
34281278J	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 1114 MADISON ST	STIPULATION/IN-VIO	03/03/2001 **Viol Type:** CONSTRUCTION	B03	$0.00
34281279L	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 1116 MADISON ST	STIPULATION/IN-VIO	03/03/2001 **Viol Type:** CONSTRUCTION	B03	$0.00
34572938X	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	MESEKE 3 REALTY CORP **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	09/07/2007 **Viol Type:** ZONING	B55	$0.00
34573088N	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	KHAL BLEV ECHOD LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	06/30/2007 **Viol Type:** CONSTRUCTION	B05	$0.00
34194798H	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 359 3RD AVE BKLY	IN VIOLATION	07/08/1999 **Viol Type:** CONSTRUCTION	B06	$0.00
34428387M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	TALASS & CO REALTY LLC **Inspect Unit:** BEST SQUAD	IN VIOLATION	01/14/2005 **Viol Type:** CONSTRUCTION	B03	$0.00
34333991R	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	HOLY CROSS 1ST BORN C **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	09/23/2002 **Viol Type:** CONSTRUCTION	B6A	$0.00
34496599Z	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	1658 BROADWAY LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	12/06/2006 **Viol Type:** ZONING	B57	$0.00
34803423M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	J.H. REID GENERAL CONTRAC **Inspect Unit:** CRANE & DERRICKS	IN VIOLATION	05/23/2011 **Viol Type:** CRANES & DERRICKS	253	$0.00
34323355R	OPEN - NO COMPLIANCE	TO THE OWNER OF 583 5	DEFAULT	05/06/2002	B04	$0.00

	RECORDED **Severity:** NON-HAZARDOUS	AVE		**Viol Type:** CONSTRUCTION		
34323120M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	FREEDOM HALL CHURCH	IN VIOLATION	04/17/2002	B03	$0.00 **Viol Type:** CONSTRUCTION
34492944M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	BFI WASTE SYSTEM OF NEW J **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	01/05/2005	B04	$0.00 **Viol Type:** CONSTRUCTION
34807501R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	BEST REALTY HOLDING LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/22/2009	201	$0.00
34234394P	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	BONAFIDE FUEL OIL INC	IN VIOLATION	02/16/2000	B3L	$0.00 **Viol Type:** SITE SAFETY
34234395R	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	BONAFIDE FUEL OIL INC	IN VIOLATION	02/16/2000	B3L	$0.00 **Viol Type:** SITE SAFETY
34246101K	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	BERMUDA REALTY CORP	IN VIOLATION	05/10/2000	BA2	$0.00 **Viol Type:** PLUMBING
34246102M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	BERMUDA REALTY CORP	IN VIOLATION	05/10/2000	BA3	$0.00 **Viol Type:** PLUMBING
34246104X	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	BERMUDA REALTY CORP	IN VIOLATION	05/10/2000	B8N	$0.00 **Viol Type:** PLUMBING
34246105H	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	BERMUDA REALTY CORP	IN VIOLATION	05/10/2000	BB0	$0.00 **Viol Type:** PLUMBING
34323673M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	BROOKDALE HOSPITAL MEDICA	IN VIOLATION	06/03/2002	B01	$0.00 **Viol Type:** CONSTRUCTION
34307956M	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	OWNER OF 550/552 PROSPECT	IN VIOLATION	12/11/2001	BH3	$0.00 **Viol Type:** CONSTRUCTION
34901209K	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	39 SUYDAM ST LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	04/22/2011	303	$0.00 **Viol Type:** CONSTRUCTION
34545845N	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	LSE ENTERPRISE CORP. **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	11/11/2006	BV1	$0.00
34845195P	OPEN - NO COMPLIANCE RECORDED	KAHAL TOLDUS TZVI	DEFAULT	08/06/2010	104	$5,000.00

34900793Y	OPEN - NO COMPLIANCE RECORDED	MIZRAHI JOSEPH	DEFAULT	06/14/2011	211	$4,000.00
	Severity: CLASS - 2	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34900794X	OPEN - NO COMPLIANCE RECORDED	MIZRAHI JOSEPH	DEFAULT	06/14/2011	201	$4,000.00
	Severity: CLASS - 2	**Inspect Unit:** BROOKLYN CONSTRUCTION				
32047231Y	OPEN - NO COMPLIANCE RECORDED	BLUE RIDGE FARMS	DEFAULT	03/18/2005	B4A	$2,155.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BOILER DIVISION		**Viol Type:** BOILER		
32047232X	OPEN - NO COMPLIANCE RECORDED	BLUE RIDGE FARMS	DEFAULT	03/18/2005	B4A	$2,155.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BOILER DIVISION		**Viol Type:** BOILER		
38208948Y	OPEN - NO COMPLIANCE RECORDED	164 WILSON HOLDING	DEFAULT	04/19/2010	251	$2,500.00
	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
38166190R	OPEN - NO COMPLIANCE RECORDED	RESIDENTIAL MGMNT ASSOC	DEFAULT	05/02/2007	BP8	$2,500.00
	Severity: HAZARDOUS	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
34532225J	OPEN - NO COMPLIANCE RECORDED	LSE ENTERPRISE CORP. DOMI	IN VIOLATION	07/17/2006	BP6	$0.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34542209Z	OPEN - NO COMPLIANCE RECORDED	LATCHMINARAIN HARDAT	IN VIOLATION	10/03/2006	B57	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** ZONING		
34280943X	OPEN - NO COMPLIANCE RECORDED	OWNER OF 55 TAAFFE PLACE	WRITTEN OFF	02/28/2001	B48	$0.00
	Severity: HAZARDOUS			**Viol Type:** CONSTRUCTION		
34572937Y	OPEN - NO COMPLIANCE RECORDED	MESEKE 3 REALTY CORP	IN VIOLATION	09/07/2007	B03	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
38211290Y	OPEN - NO COMPLIANCE RECORDED	FT HAMILTON PKWY CONDO	DEFAULT	06/07/2010	251	$2,500.00
	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
34652925R	OPEN - NO COMPLIANCE RECORDED	PETER ROSENBAUM 791 AUTUM	DEFAULT	06/03/2008	B42	$2,500.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34323824K	OPEN - NO COMPLIANCE RECORDED	SPITZER MARK	IN VIOLATION	06/28/2002	B3C	$500.00
	Severity: HAZARDOUS			**Viol Type:** SITE SAFETY		
34343337L	OPEN - NO COMPLIANCE RECORDED	1 LYNCH REALTY LLC	IN VIOLATION	10/04/2002	B04	$500.00
	Severity: NON-HAZARDOUS			**Viol Type:** CONSTRUCTION		
34854165Z	OPEN - NO COMPLIANCE	GHAZI KARAMULLAH	IN VIOLATION	09/17/2010	106	$1,600.00

	RECORDED **Severity:** CLASS - 1	**Inspect Unit:** BROOKLYN CONSTRUCTION				
34874000Z	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 2	JOSEPH MIZRACHI **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/08/2010 **Viol Type:** CONSTRUCTION	205	$4,000.00
34874001K	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 2	JOSEPH MIZRAHI **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/08/2010 **Viol Type:** CONSTRUCTION	207	$4,000.00
34410509X	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 547 ATKINS AVE **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	07/22/2003 **Viol Type:** CONSTRUCTION	B03	$2,500.00
34813618L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	BITON ELI **Inspect Unit:** SEU	DEFAULT	10/07/2009 **Viol Type:** CONSTRUCTION	307	$500.00
34813619N	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	BITON ELI **Inspect Unit:** SEU	DEFAULT	10/07/2009 **Viol Type:** CONSTRUCTION	301	$500.00

Previous Next

Compliance Status (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do **not** require filing a Certificate of Correction.

ECB Hearing Status and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	**ECB Hearing Status**
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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ECB Query By Location

Premises: **BIN:** **Block:** **Lot:** **CB:**

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
34813620K	OPEN - NO COMPLIANCE RECORDED	BITON ELI	DEFAULT	10/07/2009	202	$2,500.00
	Severity: CLASS - 2	**Inspect Unit:** SEU		**Viol Type:** CONSTRUCTION		
34427768L	OPEN - NO COMPLIANCE RECORDED	OWNER OF 224 RICHARDSON S	DEFAULT	03/04/2004	B50	$5,000.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34922058P	OPEN - NO COMPLIANCE RECORDED	A1 REMODELING INC	DEFAULT	08/13/2011	207	$4,000.00
	Severity: CLASS - 2	**Inspect Unit:** BEST SQUAD		**Viol Type:** CONSTRUCTION		
34434901R	OPEN - NO COMPLIANCE RECORDED	THE BANK OF NEW YORK	DEFAULT	03/30/2004	B37	$1,000.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34434902Z	OPEN - NO COMPLIANCE RECORDED	THE BANK OF NEW YORK	DEFAULT	03/30/2004	B42	$2,500.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34440579Z	OPEN - NO COMPLIANCE RECORDED	300 RICHARDSON ST REALTY	DEFAULT	06/10/2004	BP5	$2,500.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** HPD		
34445149L	OPEN - NO COMPLIANCE RECORDED	THE BANK OF NY	DEFAULT	03/30/2004	BH3	$2,500.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34445150Z	OPEN - NO COMPLIANCE RECORDED	THE BANK OF NEW YORK	DEFAULT	03/30/2004	B7A	$2,500.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34449872Z	OPEN - NO COMPLIANCE RECORDED	SESSLER ERIC	DEFAULT	09/16/2004	B3C	$5,000.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** SITE SAFETY		
34961035Y	OPEN - NO COMPLIANCE RECORDED	LINDSAY LINDOFF	DEFAULT	09/01/2011	187	$24,000.00
	Severity: CLASS - 1	**Inspect Unit:** SPECIAL OPERATIONS				
34502642N	OPEN - NO COMPLIANCE RECORDED	RMS REAL ESTATE ASSOC. LT	DEFAULT	12/15/2005	B03	$2,500.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		

34511698R	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	PARTNER SIMON NEIL. G. PA **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	04/19/2006 **Viol Type:** CONSTRUCTION	B03	$-800.00
34537304K	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	GOODMAN HERMAN **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/21/2006 **Viol Type:** CONSTRUCTION	B26	$2,500.00
34542849R	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	TO THE OWNER OF 492 ALABA **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	11/02/2006 **Viol Type:** CONSTRUCTION	B07	$2,500.00
38193061Y	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	WOODPOINT PLAZA CONDOMINI **Inspect Unit:** ELEVATOR DIVISION	STIPULATION/IN-VIO	11/20/2008 **Viol Type:** ELEVATOR	351	$0.00
34701179M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	GREENLEAF CONSTRUCTION IN GC25838 **Inspect Unit:** INTERIOR DEMOLITION	IN VIOLATION	10/11/2008 **Viol Type:** CONSTRUCTION	209	$1,200.00
34901210H	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	39 SUYDAM ST LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	04/22/2011 **Viol Type:** CONSTRUCTION	205, 283	$0.00
34873972Z	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 2	ELI BITON **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/22/2010 **Viol Type:** CONSTRUCTION	211	$4,000.00
34873973K	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 3	BITON ELI **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/22/2010 **Viol Type:** CONSTRUCTION	301	$500.00
34254609L	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 1464 BLAKE AVE	WRITTEN OFF	06/09/2000 **Viol Type:** CONSTRUCTION	B04	$0.00
34906631Z	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	J.H. REID GENERAL CONTRAC GC604720 **Inspect Unit:** BEST SQUAD	IN VIOLATION	05/21/2011	174	$0.00
34290189M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 407 MILFORD ST	WRITTEN OFF	05/03/2001 **Viol Type:** ZONING	B54	$0.00
34290190J	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 407 MILFORD STRE	WRITTEN OFF	05/03/2001 **Viol Type:** CONSTRUCTION	B26	$0.00
34633765N	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	SHACMP LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	03/05/2008 **Viol Type:** CONSTRUCTION	B04	$2,500.00
34929895Y	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ALLEN MEMORIL MECH **Inspect Unit:** BROOKLYN CONSTRUCTION	STIPULATION/IN-VIO	11/15/2011 **Viol Type:** CONSTRUCTION	207	$0.00

34781117J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	MULZAC ROBERT **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	06/19/2009	301 **Viol Type:** CONSTRUCTION	$0.00
34796964M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	BEST REALTY HRDS LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/16/2009	201	$0.00
34874863Y	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	SABASTIAN PICCININNI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	118 **Viol Type:** CONSTRUCTION	$5,000.00
34874864X	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	SABASTIAN PICCININNI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	120 **Viol Type:** CONSTRUCTION	$5,000.00
34874865H	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	115 **Viol Type:** CONSTRUCTION	$12,000.00
34874866J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	211 **Viol Type:** CONSTRUCTION	$4,000.00
34874867L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	206	$4,000.00
34874868N	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	206	$4,000.00
34874869P	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	101 **Viol Type:** CONSTRUCTION	$8,000.00
34874870M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** BEST SQUAD	DEFAULT	01/03/2011	206	$4,000.00
34686685M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	OWNER OF **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	09/25/2008	302	$500.00
34739894P	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	CAVALIERI VINCENZO **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	02/03/2009	302	$0.00
34935086P	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ALLEN MEMORIAL MECH **Inspect Unit:** STALLED SITES	PENDING	02/10/2012	207 **Viol Type:** CONSTRUCTION	$0.00
34783139J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	URBAN CONSTRUCTION & MGMT **Inspect Unit:** BEST SQUAD	IN VIOLATION	08/01/2009	207 **Viol Type:** CONSTRUCTION	$0.00

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ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
34511537X	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	OWNER OF **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	03/06/2006 **Viol Type:** CONSTRUCTION	B32	$1,000.00
34867248R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	KAHAL TOLDOS TZVID **Inspect Unit:** STALLED SITES	DEFAULT	12/07/2010	106	$8,000.00
34867966L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	133 S 1ST LLC **Inspect Unit:** STALLED SITES	DEFAULT	11/03/2010	187	$12,000.00
34873085M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** SCAFFOLD SAFETY TEAM	DEFAULT	12/22/2010	106	$8,000.00
34873086Y	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	ATLANTIC OCEAN CONSTRUCTI GC603755 **Inspect Unit:** SCAFFOLD SAFETY TEAM	DEFAULT	12/22/2010 **Viol Type:** CONSTRUCTION	128	$8,000.00
32066476X	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	CHLOE FOODS CORP **Inspect Unit:** BOILER DIVISION	DEFAULT	03/17/2009 **Viol Type:** BOILER	354	$500.00
32066477H	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	CHLOE FOODS CORP **Inspect Unit:** BOILER DIVISION	DEFAULT	03/17/2009 **Viol Type:** BOILER	354	$500.00
32066478J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	CHLOE FOOD CORP **Inspect Unit:** BOILER DIVISION	DEFAULT	03/17/2009 **Viol Type:** BOILER	354	$500.00
32066479L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	CHLOE FOODS CORP **Inspect Unit:** BOILER DIVISION	DEFAULT	03/17/2009 **Viol Type:** BOILER	354	$500.00
34881656R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 3	MERRICK CAPITAL CORP **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	11/29/2010 **Viol Type:** CONSTRUCTION	303	$200.00
34845934J	OPEN - CERTIFICATE DISAPPROVED **Severity:** CLASS - 2	THE BREAKERS AT SHEEPSHEA **Inspect Unit:** EXCAVATION UNIT	IN VIOLATION	08/12/2010	206	$800.00

34900784M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	KENSINGTON VANGARD NATION **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	06/08/2011 **Viol Type:** CONSTRUCTION	211	$4,000.00
34900787H	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	KENSIGTON VANGARD NATIONA **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	06/08/2011	201	$4,000.00
34845111Z	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	KAHAL TOLDOS TZI D'SPINKA **Inspect Unit:** STALLED SITES	DEFAULT	07/20/2010	187	$12,000.00
32068661R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	BLUE RIDGE FOODS LLC DBA **Inspect Unit:** BOILER DIVISION	DEFAULT	04/27/2010 **Viol Type:** BOILER	154	$5,000.00
34819616P	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	KAHAL TOLDOS TZV D'SPINKA **Inspect Unit:** STALLED SITES	DEFAULT	05/11/2010 **Viol Type:** CONSTRUCTION	104	$5,000.00
34840763L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	KAHAL TOOGOS TZUI D'SPINK **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	04/28/2010 **Viol Type:** CONSTRUCTION	211	$4,000.00
34840764N	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	KAHAL TOOGOS TZUI D'SPINK **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	04/28/2010	206	$4,000.00
38203264K	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	BROOKLYN QUEENS NJURSING **Inspect Unit:** ELEVATOR DIVISION	DEFAULT	05/13/2009 **Viol Type:** ELEVATOR	251	$2,500.00
34803542P	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	41 G CONSTRUCTORS **Inspect Unit:** CRANE & DERRICKS	PENDING	09/21/2011 **Viol Type:** CRANES & DERRICKS	142	$0.00
34803543R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	SCHIAVONE/WOF, JV **Inspect Unit:** CRANE & DERRICKS	PENDING	09/21/2011 **Viol Type:** CONSTRUCTION	109	$0.00
34934883N	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	CONGREGATION BEIS KOSOV **Inspect Unit:** EXCAVATION UNIT	DEFAULT	01/05/2012 **Viol Type:** CONSTRUCTION	103	$12,000.00
34964429K	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	GOLDEN JUBILEE REALTY LLC **Inspect Unit:** SPECIAL OPERATIONS	PENDING	03/07/2012	187	$0.00
34542671Z	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	277 1ST LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	12/08/2006 **Viol Type:** CONSTRUCTION	B50	$0.00
34540679Y	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	QUALITY FABRICATORS INC. **Inspect Unit:** CRANE & DERRICKS	DEFAULT	01/11/2007 **Viol Type:** CONSTRUCTION	B10	$2,500.00

32067731Z	OPEN - NO COMPLIANCE RECORDED	BLUE RIDGE FARMS INC	DEFAULT	12/15/2009	254	$2,500.00
	Severity: CLASS - 2	**Inspect Unit:** BOILER DIVISION		**Viol Type:** BOILER		
34822505J	OPEN - NO COMPLIANCE RECORDED	EMPORIUM MANAGEMENT CORP	DEFAULT	02/23/2010	307	$0.00
	Severity: CLASS - 3	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34391064L	OPEN - NO COMPLIANCE RECORDED	AVIV DEVELOPMENT CORP	WRITTEN OFF	03/05/2003	B07	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34391065N	OPEN - NO COMPLIANCE RECORDED	AVIV DEVELOPMENT CORP	WRITTEN OFF	03/05/2003	BP6	$0.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34643298M	OPEN - NO COMPLIANCE RECORDED	98 DEGRAW LLC	DEFAULT	04/30/2008	B04	$2,500.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34643299Y	OPEN - NO COMPLIANCE RECORDED	98 DEGRAW LLC	DEFAULT	04/30/2008	B57	$2,500.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** ZONING		
34642750P	OPEN - NO COMPLIANCE RECORDED	98 DEGRAW LLC	IN VIOLATION	04/30/2008	B06	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34845935L	OPEN - CERTIFICATE DISAPPROVED	THE BREAKERS AT SHEAPSHEA	IN VIOLATION	08/12/2010	202, 206	$800.00
	Severity: CLASS - 2	**Inspect Unit:** EXCAVATION UNIT		**Viol Type:** CONSTRUCTION		
34854157Z	OPEN - NO COMPLIANCE RECORDED	GHAZI KARAMULLAH	DEFAULT	08/17/2010	103	$12,000.00
	Severity: CLASS - 1	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34804103H	OPEN - NO COMPLIANCE RECORDED	505 EQUITIES LLC	DEFAULT	08/13/2009	187	$0.00
	Severity: CLASS - 1	**Inspect Unit:** SPECIAL OPERATIONS				
34804104J	OPEN - NO COMPLIANCE RECORDED	505 EQUITIES LLC	DEFAULT	08/13/2009	263	$0.00
	Severity: CLASS - 2	**Inspect Unit:** SPECIAL OPERATIONS				
34901308X	OPEN - NO COMPLIANCE RECORDED	MERRICK CAPITAL CORP AT A	IN VIOLATION	12/17/2011	202	$250.00
	Severity: CLASS - 2	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34934744N	OPEN - NO COMPLIANCE RECORDED	7614 4TH REAL ESTATE DEVL	DEFAULT	12/21/2011	207	$4,000.00
	Severity: CLASS - 2	**Inspect Unit:** STALLED SITES		**Viol Type:** CONSTRUCTION		
34953111R	OPEN - NO COMPLIANCE RECORDED	2834 CHURCH LLC	PENDING	03/19/2012	303	$0.00
	Severity: CLASS - 3	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34953112Z	OPEN - NO COMPLIANCE	2834 CHURCH LLC	PENDING	03/19/2012	107	$0.00

	RECORDED **Severity:** CLASS - 1	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34934522H	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	GOLDEN JUBILEE REALTY LLC **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	12/01/2011	187	$2,400.00
34930068Z	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	SARLA SAI LLC **Inspect Unit:** STALLED SITES	IN VIOLATION	12/07/2011 **Viol Type:** CONSTRUCTION	211	$800.00
34940858M	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	JOHN NOTARNICOLA AJV MANA GC606548 **Inspect Unit:** BEST SQUAD	DEFAULT	01/11/2012 **Viol Type:** CONSTRUCTION	207	$4,000.00
34940860L	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	RAJ BATHEJA STONE RIDGE H GC27499 **Inspect Unit:** BEST SQUAD	DEFAULT	01/12/2012 **Viol Type:** CONSTRUCTION	207	$4,000.00
34207755H	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	OWNER OF 1685-1700 STERLI	WRITTEN OFF	02/26/2000 **Viol Type:** CONSTRUCTION	B7A	$0.00

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Compliance Status (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB Hearing Status and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	**ECB Hearing Status**
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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ECB Query By Location

Premises: **BIN:** **Block:** **Lot:** **CB:**

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
34209978Y	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 7111 4 AVE	WRITTEN OFF	05/21/1999 **Viol Type:** CONSTRUCTION	B04	$0.00
34221094K	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 494 METROPOLTAN	WRITTEN OFF	08/20/1999 **Viol Type:** CONSTRUCTION	B04	$0.00
34221298M	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	OWNER OF 1573 50TH STREET	WRITTEN OFF	09/17/1999 **Viol Type:** CONSTRUCTION	B47	$0.00
34221299Y	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 1573 50TH STREET	WRITTEN OFF	09/17/1999 **Viol Type:** CONSTRUCTION	B43	$0.00
34221300M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 1573 50TH STREET	WRITTEN OFF	09/17/1999 **Viol Type:** CONSTRUCTION	B27	$0.00
34222663X	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 1509 AVENUE U	WRITTEN OFF	12/16/1999 **Viol Type:** CONSTRUCTION	B5C	$0.00
34269878L	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	EAST 57 CONSTRUCTION	WRITTEN OFF	12/11/2000 **Viol Type:** PLUMBING	BA2	$0.00
34269879N	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	EAST 57 CONSTRUCTION	WRITTEN OFF	12/11/2000 **Viol Type:** PLUMBING	BA3	$0.00
34612478H	OPEN - NO COMPLIANCE RECORDED **Severity:** HAZARDOUS	WGW INC GC37590 **Inspect Unit:** EXCAVATION UNIT	IN VIOLATION	12/06/2007 **Viol Type:** CONSTRUCTION	B46	$1,000.00
34875520R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	K R CONSTRUCTION CORP. **Inspect Unit:** LOW RISE	IN VIOLATION	03/01/2011 **Viol Type:** CONSTRUCTION	109	$2,400.00
38119531Y	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 55-67 METROPOLIT	WRITTEN OFF	10/29/2001 **Viol Type:** ELEVATOR	BP7	$0.00

34875301R	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 1	NEW RELIANCE CONST. CORP. GC37858 **Inspect Unit:** BEST SQUAD	DEFAULT	10/20/2010 **Viol Type:** CONSTRUCTION	130	$6,000.00
34935011K	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	JOSEPH LICHTENSTEIN **Inspect Unit:** STALLED SITES	DEFAULT	01/25/2012 **Viol Type:** CONSTRUCTION	207	$4,000.00
34296900M	OPEN - NO COMPLIANCE RECORDED **Severity:** NON-HAZARDOUS	OWNER OF 40-14 69 STREET	WRITTEN OFF	12/29/2001 **Viol Type:** CONSTRUCTION	B04	$0.00
34933838J	OPEN - NO COMPLIANCE RECORDED **Severity:** CLASS - 2	ROBERT WIEGOLASKI4 MCGUIN GC32496 **Inspect Unit:** BEST SQUAD	DEFAULT	11/01/2011 **Viol Type:** CONSTRUCTION	211	$4,000.00
38211428H	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 2	METHODIST HOSPITAL **Inspect Unit:** ELEVATOR DIVISION	IN VIOLATION	06/10/2010 **Viol Type:** ELEVATOR	251	$-500.00
34783138H	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 2	URBAN CONSTRUCTION & MGMT **Inspect Unit:** BEST SQUAD	DISMISSED	08/01/2009 **Viol Type:** CONSTRUCTION	207	$0.00
34757167H	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 2	EISRAELIAN SOLAYMANM **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	01/08/2009 **Viol Type:** CONSTRUCTION	203	$0.00
34633799L	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	SHEFARAV INC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	02/25/2008 **Viol Type:** ZONING	B57	$0.00
34741954K	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 2	MAINDENBURG INC GC24875 **Inspect Unit:** INTERIOR DEMOLITION	DISMISSED	12/09/2008	206	$0.00
34211813Z	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	BONAFIDE FUEL OIL INC	DISMISSED	03/02/2000 **Viol Type:** CONSTRUCTION	B04	$0.00
34234397K	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	BONAFIDE FUEL OIL INC.	DISMISSED	02/16/2000 **Viol Type:** CONSTRUCTION	B04	$0.00
34779175P	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 2	DENNIS SHARMA **Inspect Unit:** SPECIAL OPERATIONS	CURED/IN-VIO	04/30/2009 **Viol Type:** CONSTRUCTION	205	$0.00
34779181L	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 2	DENNIS SHARMA **Inspect Unit:** SPECIAL OPERATIONS	CURED/IN-VIO	04/30/2009 **Viol Type:** CONSTRUCTION	283	$0.00
34221545K	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	OWNER OF 42 APOLLO STREET	DISMISSED	01/14/2000 **Viol Type:** CONSTRUCTION	B03	$0.00
38210483X	RESOLVED - CERTIFICATE ACCEPTED	TVC MGMT CO	IN VIOLATION	04/23/2010	251	$0.00

	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
34334312K	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	BAKOYIANNIS ATHANASI	DISMISSED	09/30/2002 **Viol Type:** CONSTRUCTION	B03	$0.00
34222235J	RESOLVED - N/A - DISMISSED **Severity:** HAZARDOUS	200 3RD STREET BKLYN	DISMISSED	11/22/1999 **Viol Type:** CONSTRUCTION	B6A	$0.00
34573089P	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	KHAL BLEV ECHOD LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	06/30/2007	B5U	$0.00
34573090M	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	KHAL BLEV ECHOD LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	06/30/2007 **Viol Type:** CONSTRUCTION	B44	$0.00
38094899Y	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	530 SECOND AVE CO	CURED/IN-VIO	03/20/2000 **Viol Type:** ELEVATOR	BP7	$0.00
34407601L	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	GAN ENTERPRISE **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	06/16/2003 **Viol Type:** CONSTRUCTION	B04	$0.00
34215568M	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	OWNER OF 469 36TH ST	DISMISSED	09/16/1999 **Viol Type:** ZONING	B57	$0.00
34612429L	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	1580 - 46TH ST ASSOCIATES **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	11/28/2007 **Viol Type:** ZONING	B54	$0.00
34281271R	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	AVSHALOMOV JEHOSHUA	CURED/IN-VIO	03/20/2001 **Viol Type:** CONSTRUCTION	B25	$0.00
34281272Z	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	AVSHALOMOV JEHOSHUA	CURED/IN-VIO	03/20/2001 **Viol Type:** CONSTRUCTION	B04	$0.00
34480364H	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	JACOB MARCIANO PARTNERSHI **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	06/10/2005 **Viol Type:** CONSTRUCTION	B47	$0.00
34214392N	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	BROOKDALE RESIDENTE H.	DISMISSED	01/07/2000 **Viol Type:** CONSTRUCTION	B01	$0.00
34875045R	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	JH REID GENERAL CONTRACTO **Inspect Unit:** BEST SQUAD	ADMIT/IN-VIO	03/11/2011 **Viol Type:** CONSTRUCTION	115	$0.00
34334005K	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	RAQUEL A. ESPINAL	CURED/IN-VIO	09/12/2002 **Viol Type:** ZONING	B55	$0.00
34343338N	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	1 LYNCH REALTY LLC	DISMISSED	10/04/2002 **Viol Type:** CONSTRUCTION	B04	$0.00

34436428J	RESOLVED - CURE ACCEPTED	OLD MT ZION BAPTIST CHURC	CURED/IN-VIO	05/11/2004	B04	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34436429L	RESOLVED - CURE ACCEPTED	OLD MT ZION BAPTIST CHURC	CURED/IN-VIO	05/11/2004	B03	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34436430Z	RESOLVED - CURE ACCEPTED	OLD MT ZION BAPTIST CHURC	CURED/IN-VIO	05/11/2004	B54	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** ZONING		
34542951N	RESOLVED - N/A - DISMISSED	LEVIEV AMIKHIAL	DISMISSED	10/28/2006	B04	$0.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		

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NYC Department of Buildings

ECB Query By Location

Premises: **BIN:** **Block:** **Lot:** **CB:**

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
34542952P	RESOLVED - N/A - DISMISSED	LEVIEV AMIKHIAL	DISMISSED	10/28/2006	B57	$0.00
	Severity: HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** ZONING		
34442172X	RESOLVED - CURE ACCEPTED	BEDFORD GROUP LLC	CURED/IN-VIO	09/20/2004	B27	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34442173H	RESOLVED - CURE ACCEPTED	BEDFORD GROUP LLC	CURED/IN-VIO	09/20/2004	B5C	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34442174J	RESOLVED - CURE ACCEPTED	BEDFORD GROUP LLC	CURED/IN-VIO	09/20/2004	B43	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
32041852J	RESOLVED - CERTIFICATE ACCEPTED	INSTITUE FOR COMMUNITY LI	IN VIOLATION	06/04/2003	B4A	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BOILER DIVISION		**Viol Type:** BOILER		
34413894P	RESOLVED - CURE ACCEPTED	PATY LEWIS	CURED/IN-VIO	12/18/2003	B57	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** ZONING		
34322522K	RESOLVED - CERTIFICATE ACCEPTED	KORN ENTERPRISES INC	IN VIOLATION	06/27/2002	B35	$0.00
	Severity: HAZARDOUS			**Viol Type:** CONSTRUCTION		
34929922K	RESOLVED - N/A - DISMISSED	FRANCIS PASSENANT	DISMISSED	11/15/2011	283	$0.00
	Severity: CLASS - 2	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
32047316N	RESOLVED - CURE ACCEPTED	HKP INC	CURED/IN-VIO	02/26/2005	B4A	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BOILER DIVISION		**Viol Type:** BOILER		
34508024N	RESOLVED - N/A - DISMISSED	SALVATORE RUGGLERS REALTY	DISMISSED	04/14/2006	B04	$0.00
	Severity: NON-HAZARDOUS	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34781267P	RESOLVED - CURE ACCEPTED	OWNER OF	CURED/IN-VIO	06/12/2009	202	$0.00
	Severity: CLASS - 2	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		

34759216Y	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 2	LEECON CONST INC **Inspect Unit:** BEST SQUAD	DISMISSED	02/24/2009 **Viol Type:** CONSTRUCTION	218	$0.00
32067898K	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 1	BLUE RIDGE FARMS INC **Inspect Unit:** BOILER DIVISION	DISMISSED	12/15/2009 **Viol Type:** BOILER	154	$0.00
32051780Z	RESOLVED - CURE ACCEPTED **Severity:** NON-HAZARDOUS	HKP INC **Inspect Unit:** BOILER DIVISION	CURED/IN-VIO	06/27/2006 **Viol Type:** BOILER	B4A	$0.00
34519457M	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	MEMVOOV MATYS WEISER INC **Inspect Unit:** BEST SQUAD	DISMISSED	04/28/2006 **Viol Type:** CONSTRUCTION	B31	$0.00
34873902N	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 3	DOMINICK CERASOLI **Inspect Unit:** BROOKLYN CONSTRUCTION	STIPULATION/IN-VIO	08/19/2010 **Viol Type:** CONSTRUCTION	303	$0.00
34873361J	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 2	OCEAN PARKWAY PROPERTIES, **Inspect Unit:** SCAFFOLD SAFETY TEAM	DISMISSED	03/16/2011 **Viol Type:** CONSTRUCTION	250	$0.00
34496829P	RESOLVED - CERTIFICATE ACCEPTED **Severity:** HAZARDOUS	MALKA AUSCH **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	10/24/2005 **Viol Type:** CONSTRUCTION	B42, B5C	$-650.00
34555688H	RESOLVED - CURE ACCEPTED **Severity:** HAZARDOUS	DAVIS JOHN **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	12/20/2006 **Viol Type:** CONSTRUCTION	B07	$0.00
34889171P	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 2	METRO ENTERPRISES LLC **Inspect Unit:** EMERGENCY RESPONSE TEAM (ERT)	CURED/IN-VIO	03/11/2011 **Viol Type:** CONSTRUCTION	211	$0.00
32060041J	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 3	HKP INC **Inspect Unit:** BOILER DIVISION	CURED/IN-VIO	07/29/2008 **Viol Type:** BOILER	354	$0.00
38212500H	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 2	STARETT CITY,INC **Inspect Unit:** ELEVATOR DIVISION	CURED/IN-VIO	08/06/2010 **Viol Type:** ELEVATOR	251	$0.00
34750090R	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 1	TO THE OWNER OF 341-349 T GC35297 **Inspect Unit:** BEST SQUAD	DISMISSED	01/27/2009	106	$0.00
34916928Z	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 3	2224 MCDONALD AVE LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	09/23/2011 **Viol Type:** CONSTRUCTION	301	$0.00
34916929K	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 3	2224 MCDONALD AVE LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	09/23/2011 **Viol Type:** CONSTRUCTION	303	$0.00

34827358L	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	CENTRAL PARKING SYSTEM OF **Inspect Unit:** SPECIAL OPERATIONS	IN VIOLATION	12/05/2009 **Viol Type:** CONSTRUCTION	127	$0.00
34781116H	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	ROBERT MULZEE **Inspect Unit:** BROOKLYN CONSTRUCTION	DEFAULT	06/19/2009	106	$8,000.00
34874096M	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 1	MICHAEL LAWRENCE **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	10/21/2010 **Viol Type:** CONSTRUCTION	105, 172	$0.00
32067895P	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 2	BLUE RIDGE FARMS INC **Inspect Unit:** BOILER DIVISION	DISMISSED	12/15/2009 **Viol Type:** BOILER	254	$0.00
34633798J	RESOLVED - CERTIFICATE ACCEPTED **Severity:** NON-HAZARDOUS	SHEFARAV INC **Inspect Unit:** BROOKLYN CONSTRUCTION	IN VIOLATION	02/25/2008 **Viol Type:** CONSTRUCTION	B03	$0.00
38191060N	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 2	BROOKDALE HOSPITAL **Inspect Unit:** ELEVATOR DIVISION	IN VIOLATION	09/03/2008 **Viol Type:** ELEVATOR	251	$0.00

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ECB Query By Location

Premises: **BIN:** **Block:** **Lot:** **CB:**

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
38191061P	RESOLVED - CERTIFICATE ACCEPTED	BROOKDALE HOSPITAL	IN VIOLATION	09/03/2008	251	$0.00
	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
34781112K	RESOLVED - CERTIFICATE ACCEPTED	ROBERT MULZAE	IN VIOLATION	06/19/2009	303	$400.00
	Severity: CLASS - 3	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34781113M	RESOLVED - CERTIFICATE ACCEPTED	ROBERT MULZAE	IN VIOLATION	06/19/2009	307	$0.00
	Severity: CLASS - 3	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		
34893790X	RESOLVED - N/A - DISMISSED	MALVINA SHAPIRO	DISMISSED	12/29/2010	101	$0.00
	Severity: CLASS - 1	**Inspect Unit:** SPECIAL OPERATIONS		**Viol Type:** CONSTRUCTION		
38210484H	RESOLVED - CERTIFICATE ACCEPTED	TVC MGMT CO	IN VIOLATION	04/23/2010	251	$0.00
	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
38211429J	RESOLVED - CERTIFICATE ACCEPTED	METHODIST HOSPITAL	IN VIOLATION	06/10/2010	251	$0.00
	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
38215881Y	RESOLVED - CURE ACCEPTED	ACF INTEGRATION HEAD STAR	CURED/IN-VIO	03/22/2011	251	$0.00
	Severity: CLASS - 2	**Inspect Unit:** ELEVATOR DIVISION		**Viol Type:** ELEVATOR		
34911576L	RESOLVED - CURE ACCEPTED	ARC ELECTRICAL MECK CONT. GC12866	CURED/IN-VIO	08/09/2011	220	$0.00
	Severity: CLASS - 2	**Inspect Unit:** EXCAVATION UNIT				
34885421K	RESOLVED - N/A - DISMISSED	CHURCH AVENUE COMMUNITY D	DISMISSED	03/16/2011	263	$0.00
	Severity: CLASS - 2	**Inspect Unit:** SPECIAL OPERATIONS				
34922059R	RESOLVED - CURE ACCEPTED	A1 REMODELING INC	CURED/IN-VIO	08/13/2011	211	$0.00
	Severity: CLASS - 2	**Inspect Unit:** BEST SQUAD		**Viol Type:** CONSTRUCTION		
34873922K	RESOLVED - CERTIFICATE ACCEPTED	TITO CARDONA	IN VIOLATION	03/14/2011	205	$0.00
	Severity: CLASS - 2	**Inspect Unit:** BROOKLYN CONSTRUCTION		**Viol Type:** CONSTRUCTION		

34542669J	RESOLVED - N/A - DISMISSED **Severity:** NON-HAZARDOUS	CITY SUBURBAN FEDERAL SAV **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	11/15/2006 **Viol Type:** CONSTRUCTION	B04	$0.00
34832472L	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	J.P. RESTORATION R 6002 **Inspect Unit:** SCAFFOLD SAFETY TEAM	IN VIOLATION	04/14/2010 **Viol Type:** CRANES & DERRICKS	142	$4,800.00
34833112M	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	MERRICK CAPITAL CORP ATAR **Inspect Unit:** BEST SQUAD	IN VIOLATION	02/26/2011 **Viol Type:** CONSTRUCTION	101	$1,600.00
34961309M	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 1	GOLDEN JUBILEE REALTY LLC **Inspect Unit:** SPECIAL OPERATIONS	DISMISSED	09/09/2011	187	$0.00
34894084N	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	GATEWAY DEMOLITION CORP GC1023 **Inspect Unit:** SPECIAL OPERATIONS		02/03/2011 **Viol Type:** CONSTRUCTION	109	$0.00
34900846Z	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 3	CONCETTA MCGINNITY **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	05/06/2011 **Viol Type:** CONSTRUCTION	383, 384	$0.00
34943225X	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 2	LORNA FAIRWEATHER **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	12/22/2011 **Viol Type:** CONSTRUCTION	283	$0.00
34943502P	RESOLVED - CURE ACCEPTED **Severity:** CLASS - 2	2610 CROPSEY DEVELOPMENT **Inspect Unit:** BROOKLYN CONSTRUCTION	CURED/IN-VIO	02/01/2012 **Viol Type:** CONSTRUCTION	205	$0.00
34781475J	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 1	MASPETH ESTATES LLC **Inspect Unit:** BROOKLYN CONSTRUCTION	DISMISSED	07/27/2009 **Viol Type:** CONSTRUCTION	107	$0.00
34818035M	RESOLVED - N/A - DISMISSED **Severity:** CLASS - 1	SCHWARTZ ISAAC **Inspect Unit:** SPECIAL OPERATIONS	DISMISSED	11/28/2009 **Viol Type:** CONSTRUCTION	107	$0.00
34832473N	RESOLVED - CERTIFICATE ACCEPTED **Severity:** CLASS - 1	JP RESTORATION **Inspect Unit:** SCAFFOLD SAFETY TEAM	IN VIOLATION	04/14/2010 **Viol Type:** CRANES & DERRICKS	149	$10,000.00

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45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.6
March 28, 2012

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EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
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EXECUTIVE SUMMARY

DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2005. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

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

RESEARCH SUMMARY

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

Year	Source	TP	Adjoining	Text Abstract	Source Image
2005	Hill-Donnelly Corporation	-	X	X	-
2000	Cole Information Services	-	X	X	-
1997	NYNEX	-	X	X	-
1992	NYNEX Informantion Resource Co.	-	X	X	-
1985	NYNEX Information Resources Company	-	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	-	X	X	-
1973	New York Telephone	-	X	X	-
1970	New York Telephone	-	X	X	-
1965	New York Telephone	X	-	X	-
1960	New York Telephone	X	X	X	-
1949	New York Telephone Company	X	-	X	-
1945	New York Telephone	X	-	X	-
1940	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	X	X	X	-
1928	New York Telephone	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

45 India Street
Brooklyn, NY 11222

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source
1965	Mayer John F	New York Telephone
1960	MAYER JOHN F	New York Telephone
	Mayer John F	New York Telephone Company
1949	Mayer John F	New York Telephone Company
1945	Mayer John F	New York Telephone Company
1934	TUOHEY MARY H	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

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

INDIA

39 INDIA

Year	Uses	Source
1997	CAICEDO M	NYNEX
1992	REVELO MARCO	NYNEX Informantion Resource Co.
1985	ABREV JOSE	NYNEX Information Resources Company
	REVELO MARCO	NYNEX Information Resources Company
1976	ABREV JOSE	New York Telephone
1960	KAPTUROVICH ANDREW	New York Telephone
	KELLY GEO W	New York Telephone
1934	MCDONNELL HELEN CLK R	R. L. Polk & Co.
	MCCAULEY ROBT CLK H	R. L. Polk & Co.
	MCCAULEY JAS CHAUF R	R. L. Polk & Co.
	MCCAULEY ELIZ TYPIST R	R. L. Polk & Co.
	HOSZNAY JULIA H	R. L. Polk & Co.
	MCDONNELL JAS LIGHTER CAPT H	R. L. Polk & Co.
	MCDONNELL MARY R	R. L. Polk & Co.

41 INDIA

Year	Uses	Source
1997	RODRIGUEZ A	NYNEX
1992	CAICEDO MARCIA	NYNEX Informantion Resource Co.
	MORALES DAVID	NYNEX Informantion Resource Co.
1985	CAICEDO MARCIA	NYNEX Information Resources Company
	MORALES CHAS	NYNEX Information Resources Company
1976	MORALES CHAS	New York Telephone
	MORALES CHARLES	New York Telephone
1960	SCHNEIDER BARBARA	New York Telephone
1934	SCHWARZ LILLIAN H	R. L. Polk & Co.
	MULDOWNEY ANNA R	R. L. Polk & Co.
	COHEN MARIAN STEN R	R. L. Polk & Co.

FINDINGS

43 INDIA

Year	Uses	Source
1960	MEYER PETER W	New York Telephone
	PISANO JOS	New York Telephone
1934	MCLAUGHLIN PATK H	R. L. Polk & Co.
	MCLAUGHLIN PATK JR R	R. L. Polk & Co.
	MCLAUGHLIN ROSE R	R. L. Polk & Co.
	FLOOD CHAS MASON H	R. L. Polk & Co.
	FLOOD CHAS JR CLK R	R. L. Polk & Co.
	FLOOD VINCENT HLPR R	R. L. Polk & Co.
	MCLAUGHLIN JAS R	R. L. Polk & Co.
	MCLAUGHLIN JOHN R	R. L. Polk & Co.

44 INDIA

Year	Uses	Source
1992	HUBICSAK DENNIS	NYNEX Informantion Resource Co.
1980	PATINO MANUEL	New York Telephone
	THOMAS EDW LEE	New York Telephone
1976	PATINO MANUEL	New York Telephone
	THOMAS EDW LEE	New York Telephone
1960	ALBARRAN WM	New York Telephone
	THOMAS EDW LEE	New York Telephone
1934	CRAIG WM F H	R. L. Polk & Co.
	CRAIG THOS J CLK R	R. L. Polk & Co.
	CRAIG HELEN EMP R	R. L. Polk & Co.
	CRAIG HAROLD R	R. L. Polk & Co.
	MCGIVNEY WM R	R. L. Polk & Co.
	NEWMAN JOHN DRIVER R	R. L. Polk & Co.
	REILLY PATK R	R. L. Polk & Co.
1928	FITZHARRIS C R	New York Telephone

46 INDIA

Year	Uses	Source
1997	HODGIN H	NYNEX
1992	LELEN HENRY F	NYNEX Informantion Resource Co.
1985	RIVERA LUZ	NYNEX Information Resources Company
	LELEN HENRY F	NYNEX Information Resources Company
1976	LELEN HENRY F	New York Telephone
1960	CRAINE E HELEN	New York Telephone
	LELEN CHAS T	New York Telephone

Year	Uses	Source
1960	LELEN KASIMER	New York Telephone
1934	MICHALEWICZ JOS PRSR H	R. L. Polk & Co.
	FORBES JOHN MACH H	R. L. Polk & Co.
	CHRISTIAN JOS H H	R. L. Polk & Co.
1928	MURPHY KATHERINE R	New York Telephone

47 INDIA

Year	Uses	Source
1997	OCHNER Dolores	NYNEX
	RAMLELL J	NYNEX
	SEECHARAN Parvati Devi	NYNEX
1992	COZIER ANTHONY	NYNEX Informantion Resource Co.
	LALJI SAVITA	NYNEX Informantion Resource Co.
	OCHNER DOLORES	NYNEX Informantion Resource Co.
	RAMLALL ROOPNARINE	NYNEX Informantion Resource Co.
	RAMLELL J	NYNEX Informantion Resource Co.
	SAHIBZADA RAHEEL	NYNEX Informantion Resource Co.
1985	ACHAN JOSEPH	NYNEX Information Resources Company
	BHUIYAN ASHRAFUL K	NYNEX Information Resources Company
	GAFFNEY D	NYNEX Information Resources Company
	LALJI MANKAD	NYNEX Information Resources Company
	PARSAN INDARJIT	NYNEX Information Resources Company
1980	WLAYSOWSKL JOS J	New York Telephone
1976	GARCIA BERNARDINO	New York Telephone
	KABANICA V	New York Telephone
	OCHNER VINCENT	New York Telephone
	WLAYSEWSKI JOS J	New York Telephone
1960	ATANACIO SATURNINO	New York Telephone
	GREEN ALEXNDR F	New York Telephone
	PAVANO ANGELO	New York Telephone
	SERAFIN FRANCIS	New York Telephone
	WLAYSEWSKI JOS J	New York Telephone
1934	CERWINSKI WM H	R. L. Polk & Co.
	DZURKO LOUIS H	R. L. Polk & Co.
	GAJKOWSKI FLORENCE R	R. L. Polk & Co.
	GAJKOWSKI WM H	R. L. Polk & Co.
	JUREWICZ PETER FOREMN H	R. L. Polk & Co.
	KROLIKOWSKI STEPH FORMN H	R. L. Polk & Co.
	KUDICH MICHL H	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	LATKOWSKI BRONISLAUS DRIVER H	R. L. Polk & Co.
	LATKOWSKI VICTORIA R	R. L. Polk & Co.
	PUCLOSKY EDW R	R. L. Polk & Co.
	PUCLOSKY SIGMUND R	R. L. Polk & Co.
	PUCLOSKY STELLA R	R. L. Polk & Co.
	SZCZEPANSKA MARGT R	R. L. Polk & Co.
	WROBLEWSKI GUSTAVE H	R. L. Polk & Co.

48 INDIA

Year	Uses	Source
1997	CEREZO William	NYNEX
	KELLY Helen M	NYNEX
1992	CEREZO WILLIAM	NYNEX Informantion Resource Co.
	KELLY HELEN M	NYNEX Informantion Resource Co.
1985	KELLY HELEN M	NYNEX Information Resources Company
1976	CAZZOLA M J	New York Telephone
	KELLY HELEN M	New York Telephone
1960	SMITH CHAS E	New York Telephone
	SMITH CHAS T	New York Telephone
1934	HALIMAN EVA H	R. L. Polk & Co.
	HALIMAN REED T BKPR R	R. L. Polk & Co.
	SCHER AGNES R	R. L. Polk & Co.
	SCHER CLARENCE J SLSMN R	R. L. Polk & Co.
	SCHER JOS E IRON WKR H	R. L. Polk & Co.
	YOUNGERMAN LILY H	R. L. Polk & Co.

49 INDIA

Year	Uses	Source
1997	MELNYK Arkadii	NYNEX
	COBO Carlos	NYNEX
1992	HEIJN LISA	NYNEX Informantion Resource Co.
	MARKOWSKI VINCENT	NYNEX Informantion Resource Co.
	MELNYK ARKADLI	NYNEX Informantion Resource Co.
	ZANIEWSKI HENRY K	NYNEX Informantion Resource Co.
1985	MARKOWSKI VINCENT	NYNEX Information Resources Company
	MELNYK ARKADII	NYNEX Information Resources Company
	SMITH KATHERINE	NYNEX Information Resources Company
	ZANIEWSKI HENRY K	NYNEX Information Resources Company
1980	MARKOWSKI VINCENT	New York Telephone

Year	Uses	Source
1980	TOBISS OSKARS	New York Telephone
1976	MARKOWSKI VINCENT	New York Telephone
	MELNYK ARKADIL	New York Telephone
	TOBISS OSKARS	New York Telephone
1960	ACCOVELLI JACK R	New York Telephone
	HROMULAK ANDY	New York Telephone
	WANDERS JOHN	New York Telephone
1934	BASKO MICHL POLICE R	R. L. Polk & Co.
	BASKO JOS R	R. L. Polk & Co.
	DINOSKI ANTHONY LAB H	R. L. Polk & Co.
	DUBINSKI LILLIAN R	R. L. Polk & Co.
	DUBINSKI STANKEY SUGAR WKR H	R. L. Polk & Co.
	GOTARD JOS MACH HLPR H	R. L. Polk & Co.
	IVANS JOHN CLK R	R. L. Polk & Co.
	IVANS MICHL LAB H	R. L. Polk & Co.
	MCCRODDEN MARIE STEN T H FRAZER MORTGAGE CORP R	R. L. Polk & Co.
	MCCRODDEN NEIL DRIVER R	R. L. Polk & Co.
	MCCRODDEN ROSE CLK R	R. L. Polk & Co.
	MCDONNELL KATH R	R. L. Polk & Co.
	MCDONNELL WM CHAUF H	R. L. Polk & Co.
	MCDONNELL WM W R	R. L. Polk & Co.
	SOWA ALBERT R	R. L. Polk & Co.
	BASKO MICHL G POLICE R	R. L. Polk & Co.
	BASKO THOS R	R. L. Polk & Co.

50 INDIA

Year	Uses	Source
1992	WINEMILLER CHAS	NYNEX Informantion Resource Co.
1985	SZUMALA JOAN	NYNEX Information Resources Company
	WINEMILLER CHAS	NYNEX Information Resources Company
1976	STRICKO MICHL	New York Telephone
1960	STRICKO MICHL	New York Telephone
1934	LAFRENZ JOHN P FISH H	R. L. Polk & Co.
	CROWELL HENRIETTA C R	R. L. Polk & Co.
1928	LA FRENZ J P R	New York Telephone

51 INDIA

Year	Uses	Source
1997	KEMDAI Charlie	NYNEX
	RAGHUNATH Iris	NYNEX
	VERIAN Permaul	NYNEX
1992	PIET BOLEK	NYNEX Informantion Resource Co.
	RASHEED FAYYAZ	NYNEX Informantion Resource Co.
	SINGH SAVITRIE DEVI	NYNEX Informantion Resource Co.
	CHARLIE PAMELA	NYNEX Informantion Resource Co.
	KASIMALI CHARITAR	NYNEX Informantion Resource Co.
	KEMDAI CHARLIE	NYNEX Informantion Resource Co.
1985	BISTONATH LLOYD	NYNEX Information Resources Company
	KASIMALI C	NYNEX Information Resources Company
	PIET BOLEK	NYNEX Information Resources Company
	SARABJEET CHEITRAM	NYNEX Information Resources Company
	SOMARU SAHADEO	NYNEX Information Resources Company
1980	PANICH GEORGE	New York Telephone
1976	BETSCH B	New York Telephone
	DORNEY KATIE MRS	New York Telephone
	KOPTEWSKI SERGEI	New York Telephone
	OGRODNICK EMIL	New York Telephone
	STOLSLCL TOMA	New York Telephone
	VON EDELBERG EUGENIE	New York Telephone
1960	DORNEY KATIE MRS	New York Telephone
	KENNEDY SIMON P	New York Telephone
	NORDT JEANNETTE MRS	New York Telephone
	ROMANO PHILIP D	New York Telephone
	TUREK STANLEY F	New York Telephone
1934	KELLY JOHN R	R. L. Polk & Co.
	KELLY STEPH IRON WKR H	R. L. Polk & Co.
	KELLY STEPH JR BRKLYR R	R. L. Polk & Co.
	LELEN CHAS R	R. L. Polk & Co.
	MAIN ALEX LAB H	R. L. Polk & Co.
	MARTIN KATH R	R. L. Polk & Co.
	MARTIN REILLY DRIVER H	R. L. Polk & Co.
	MARTIN REILLY JR	R. L. Polk & Co.
	MCGEE WM AUTO PNTR H	R. L. Polk & Co.
	MICKEL HARRY HLPR H	R. L. Polk & Co.
	SMITH EDW HLPR R	R. L. Polk & Co.

Year	Uses	Source
1934	SMITH	R. L. Polk & Co.
	SMITH JOHN R	R. L. Polk & Co.
	SMITH JOHN LAB H	R. L. Polk & Co.

52 INDIA

Year	Uses	Source
1934	MARTIN THOS CLK R	R. L. Polk & Co.

INDIA ST

39 INDIA ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation
2000	MARCIA CAICEDO	Cole Information Services

INDIA st

39 INDIA st

Year	Uses	Source
1973	Aguayo Enrique	New York Telephone
	Abrev Jose	New York Telephone
1970	Kapturovich Andrew	New York Telephone

INDIA ST

41 INDIA ST

Year	Uses	Source
2005	H Morales David	Hill-Donnelly Corporation
2000	DAVID MORALES	Cole Information Services

INDIA st

41 INDIA st

Year	Uses	Source
1973	Morales Chas	New York Telephone
	Morales Charles	New York Telephone
1970	Gonzales Joe	New York Telephone

INDIA ST

42 INDIA ST

Year	Uses	Source
2005	Front Row Sweets Inc	Hill-Donnelly Corporation

44 INDIA ST

Year	Uses	Source
2005	No Current Listing	Hill-Donnelly Corporation

INDIA st

44 INDIA st

Year	Uses	Source
1973	Patino Manuel	New York Telephone
	Thomas Edw Lee	New York Telephone
1970	Thomas Edw Lee	New York Telephone
	Patino Manuel	New York Telephone

INDIA ST

46 INDIA ST

Year	Uses	Source
2005	h Geist Helen	Hill-Donnelly Corporation
	h Hodgin H	Hill-Donnelly Corporation
	Rich Kenneth A	Hill-Donnelly Corporation
2000	H HODGIN	Cole Information Services
	MANON GEIST	Cole Information Services
	APARTMENTS	Cole Information Services
	2 HELEN GEIST	Cole Information Services

INDIA st

46 INDIA st

Year	Uses	Source
1973	Lelen Chas T	New York Telephone
	Lelen Chas T	New York Telephone
1970	Lelen Chas T	New York Telephone

INDIA ST

47 INDIA ST

Year	Uses	Source
2005	Ramlail Jankie	Hill-Donnelly Corporation
	Persaud A	Hill-Donnelly Corporation
	Matthews Alvin	Hill-Donnelly Corporation
	Un Ming	Hill-Donnelly Corporation
	h Seecharan Parvati Devi	Hill-Donnelly Corporation
2000	2 DOLORES OCHNER	Cole Information Services
	JANKIE RAMLALL	Cole Information Services
	P D SEECHARAN	Cole Information Services
	OSCAR VASQUEZ	Cole Information Services
	1L RITTA APPROO	Cole Information Services
	APARTMENTS	Cole Information Services

INDIA st

47 INDIA st

Year	Uses	Source
1973	Morales Frank	New York Telephone
	Wiaysewski Jos J	New York Telephone
	Zuljevic V	New York Telephone
	Krol Theophil T	New York Telephone
	Acosta Felix	New York Telephone
1970	Wiaysewski Jos J	New York Telephone
	Krol Theophil T	New York Telephone
	Albarran Wm	New York Telephone

INDIA ST

48 INDIA ST

Year	Uses	Source
2005	Kelly Helen M	Hill-Donnelly Corporation
	h Cerezo William	Hill-Donnelly Corporation
2000	HELEN M KELLY	Cole Information Services
	3 WILLIAM CEREZO	Cole Information Services
	APARTMENTS	Cole Information Services

INDIA st

48 INDIA st

Year	Uses	Source
1973	Kennedy Simon	New York Telephone
	Kelly Marie	New York Telephone
	Kelly Helen M	New York Telephone
1970	Smith Chas T	New York Telephone
	Smith Chas E	New York Telephone

INDIA ST

49 INDIA ST

Year	Uses	Source
2005	H Melnyk Arkadii	Hill-Donnelly Corporation
	Drezewiecki H	Hill-Donnelly Corporation
2000	JOHN ZEWERT	Cole Information Services
	APARTMENTS	Cole Information Services
	2R CARIOS COBO	Cole Information Services
	ARKADII MEINYK	Cole Information Services

INDIA st

49 INDIA st

Year	Uses	Source
1973	Tobiss Oskars	New York Telephone
	Melnyk Arkadii	New York Telephone
	Markowski Vincent	New York Telephone
1970	Tobiss Oskars	New York Telephone
	Markowski Irene J	New York Telephone
	Melnyk Arkadij	New York Telephone

INDIA ST

50 INDIA ST

Year	Uses	Source
2005	Handy Gabriel	Hill-Donnelly Corporation
	Bums Kevin	Hill-Donnelly Corporation
	Egan Kevin	Hill-Donnelly Corporation

INDIA st

50 INDIA st

Year	Uses	Source
1973	Stricko Michl	New York Telephone
1970	Stricko Michl	New York Telephone

INDIA ST

51 INDIA ST

Year	Uses	Source
2005	Zola Melissa	Hill-Donnelly Corporation
	h White E	Hill-Donnelly Corporation
	Verian Takranie vv w	Hill-Donnelly Corporation
	H Somwaru Sylvia	Hill-Donnelly Corporation
	Aba Kimberiy	Hill-Donnelly Corporation
	h lid S	Hill-Donnelly Corporation
2000	JAMES WILLIAMS	Cole Information Services
	E WHITE	Cole Information Services
	PERMAUL VERIAN	Cole Information Services
	IL SYLVIA SOMWARU	Cole Information Services
	MARCO BOGAZZI	Cole Information Services
	2L DANIELE BAUMBERGER	Cole Information Services
	APARTMENTS	Cole Information Services

INDIA st

51 INDIA st

Year	Uses	Source
1973	Von Edelberg Eugenie	New York Telephone
	Betsch B	New York Telephone
	Dorney Katie Mrs	New York Telephone
	Koptewski Sergei	New York Telephone
	Trpcevski Slavko	New York Telephone
1970	Turok Blanche	New York Telephone
	Betsch B	New York Telephone
	Dorney Katie Mrs	New York Telephone
	Kennedy Margaret	New York Telephone
	Koptewski Sergei	New York Telephone
	Scott Kenneth	New York Telephone

INDIA ST

52 INDIA ST

Year	*Uses*	*Source*
2005	Carrier Nicholas	Hill-Donnelly Corporation
	Salas Garbiel e c	Hill-Donnelly Corporation

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
45 India Street	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1940, 1928

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

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

Address Researched	Address Not Identified in Research Source
39 INDIA	2005, 2000, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1928
39 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
39 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
41 INDIA	2005, 2000, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1928
41 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
41 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
42 INDIA ST	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
43 INDIA	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1949, 1945, 1940, 1928
44 INDIA	2005, 2000, 1997, 1985, 1973, 1970, 1965, 1949, 1945, 1940
44 INDIA ST	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
44 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
46 INDIA	2005, 2000, 1980, 1973, 1970, 1965, 1949, 1945, 1940
46 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
46 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
47 INDIA	2005, 2000, 1973, 1970, 1965, 1949, 1945, 1940, 1928
47 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
47 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
48 INDIA	2005, 2000, 1980, 1973, 1970, 1965, 1949, 1945, 1940, 1928

FINDINGS

Address Researched	Address Not Identified in Research Source
48 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
48 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
49 INDIA	2005, 2000, 1973, 1970, 1965, 1949, 1945, 1940, 1928
49 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
49 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
50 INDIA	2005, 2000, 1997, 1980, 1973, 1970, 1965, 1949, 1945, 1940
50 INDIA ST	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
50 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
51 INDIA	2005, 2000, 1973, 1970, 1965, 1949, 1945, 1940, 1928
51 INDIA ST	1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
51 INDIA st	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1965, 1960, 1949, 1945, 1940, 1934, 1928
52 INDIA	2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
52 INDIA ST	2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

45 India Street
45 India Street
Brooklyn, NY 11222

Inquiry Number: 3291586.3
March 28, 2012

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

3/28/12

Site Name:
45 India Street
45 India Street
Brooklyn, NY 11222

Client Name:
Landmark Consultants Inc.
528 Leonard Street
Brooklyn, NY 11222

EDR Inquiry # 3291586.3

Contact: Andrew Gasparro/Jenna

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Landmark Consultants Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 45 India Street
Address: 45 India Street
City, State, Zip: Brooklyn, NY 11222
Cross Street:
P.O. # NA
Project: NA
Certification # DC49-42E3-8C30

Maps Provided:

2007	2001	1988	1980	1928
2006	1996	1987	1979	1916
2005	1995	1986	1978	1905
2004	1993	1983	1965	1887
2003	1991	1982	1951	
2002	1989	1981	1942	

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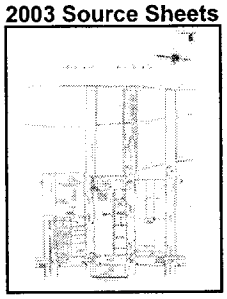

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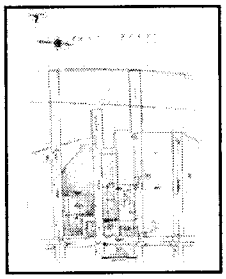

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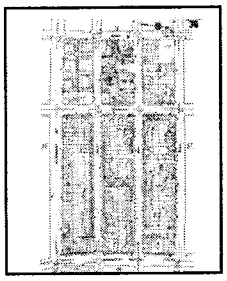

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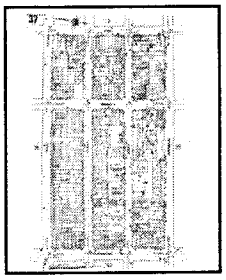

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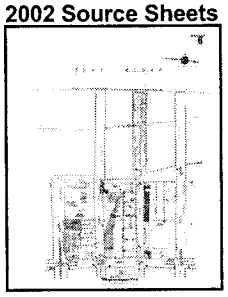

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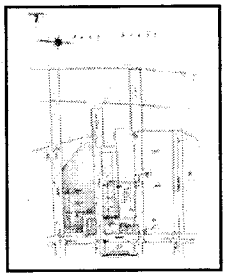

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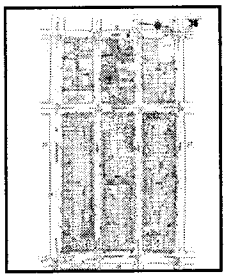

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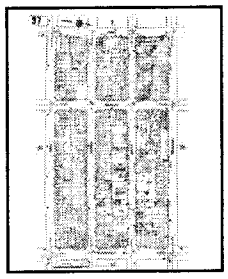

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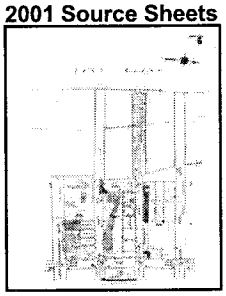

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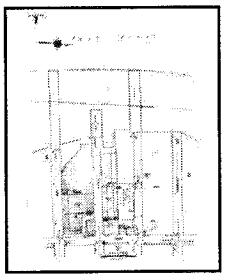

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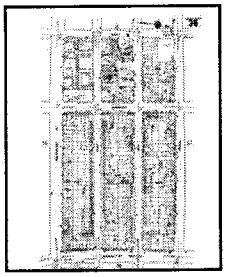

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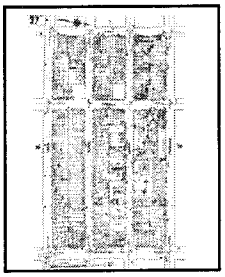

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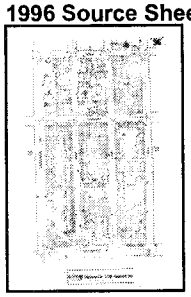

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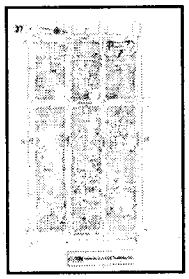

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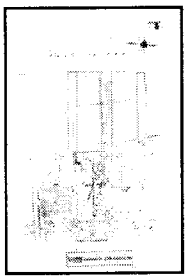

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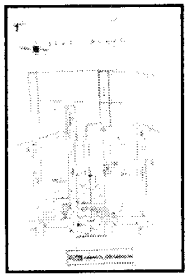

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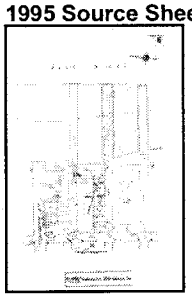

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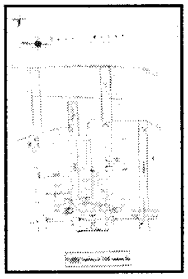

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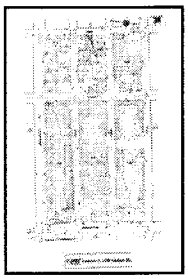

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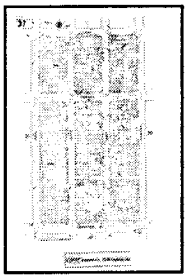

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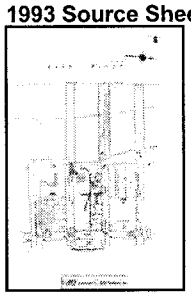

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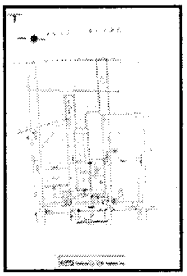

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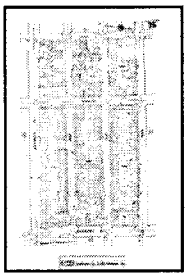

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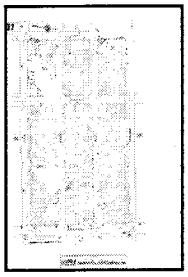

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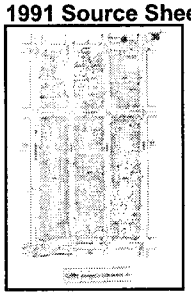

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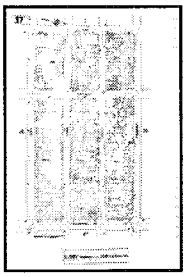

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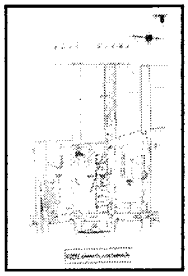

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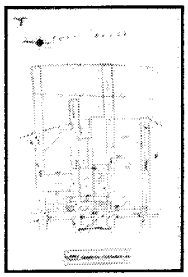

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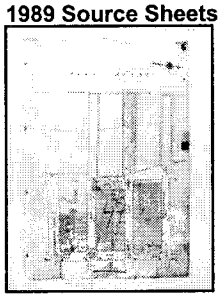

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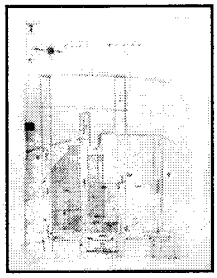

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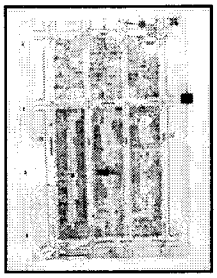

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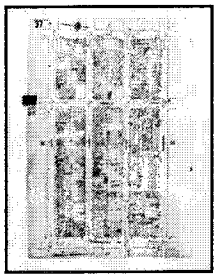

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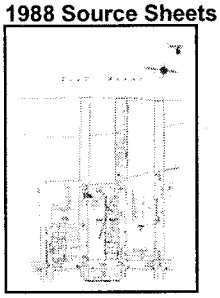

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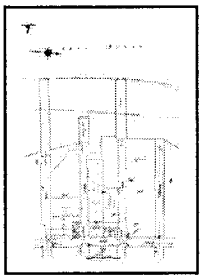

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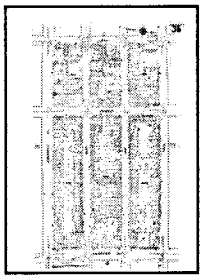

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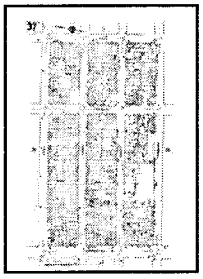

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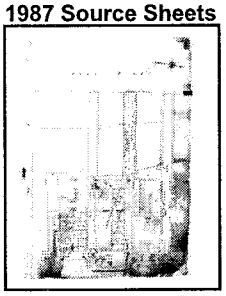

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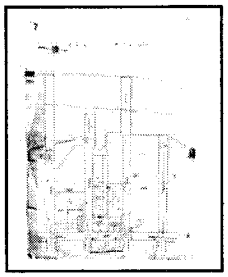

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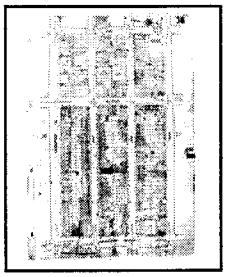

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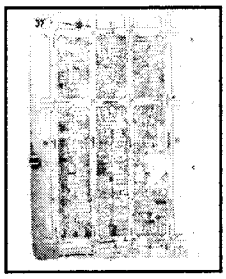

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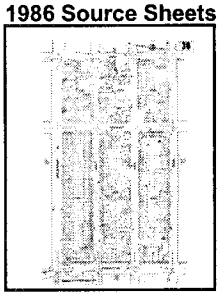

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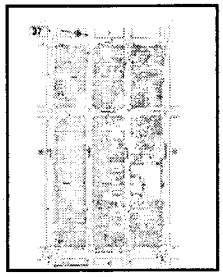

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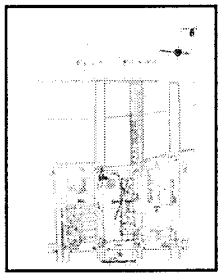

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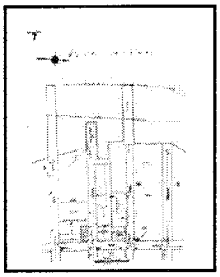

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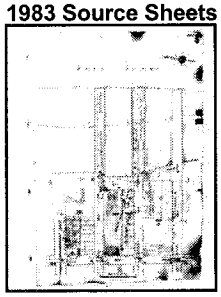

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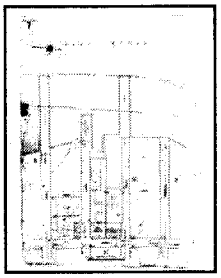

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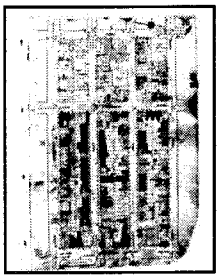

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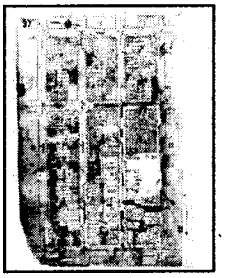

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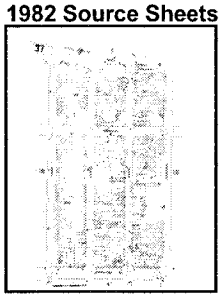

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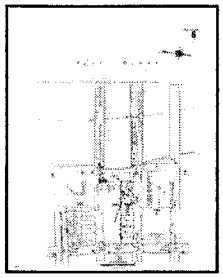

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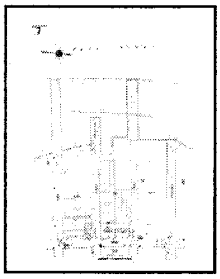

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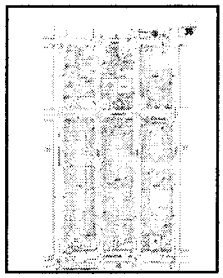

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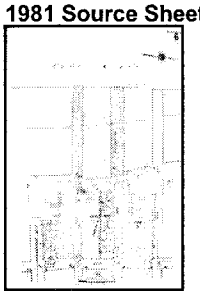

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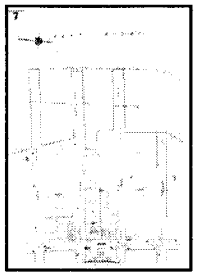

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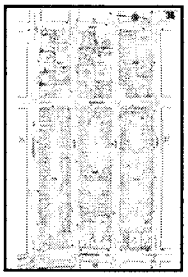

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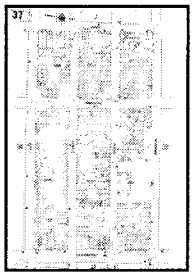

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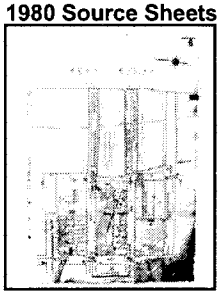

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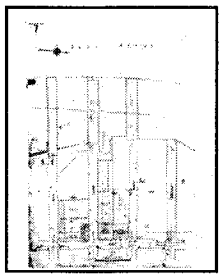

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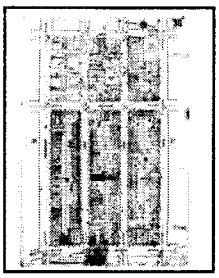

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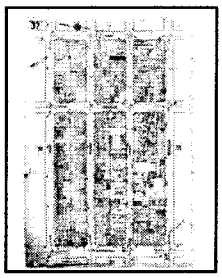

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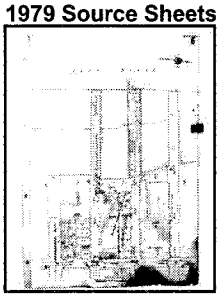

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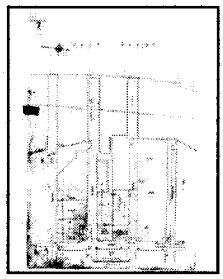

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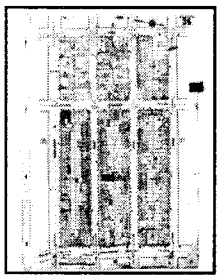

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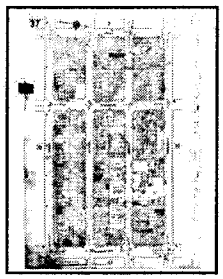

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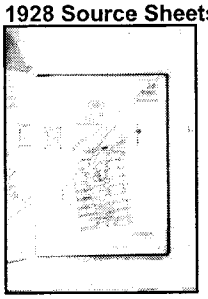

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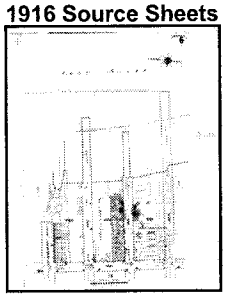

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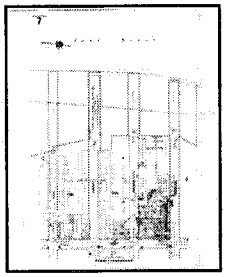

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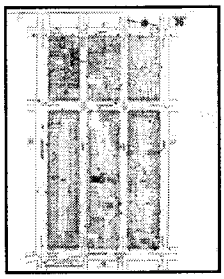

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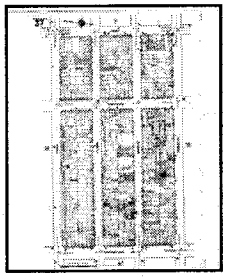

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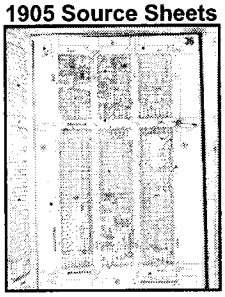

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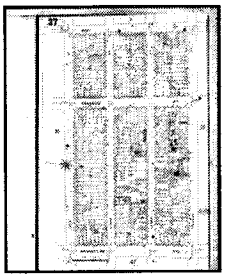

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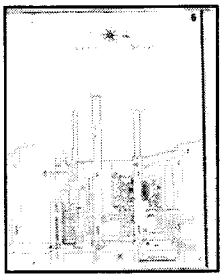

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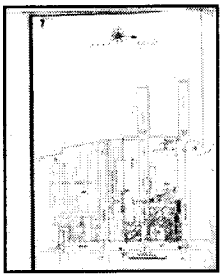

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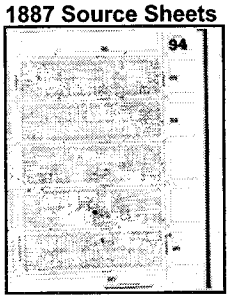

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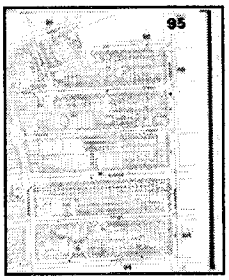

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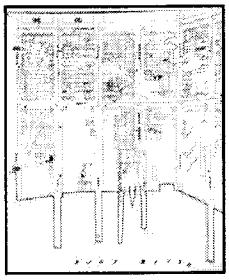

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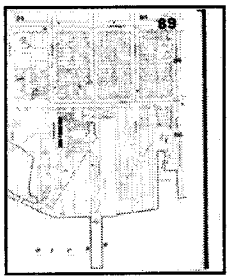

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User Questionnaire

Appendix I
Resumes

APPENDIX B

Health and Safety Plan

Health and Safety Plan (HASP)

Subject property:

45 India St. Condominiums

45 India St.
Brooklyn, NY 11222
CEQR# 04DCP003K

Prepared For:

NYC Office of Environmental Remediation
Brownfield Cleanup Program
100 Gold Street 2nd Floor
New York, NY 10038

Attn: Mr. Shaminder Chawla

Landmark Project No.: 12-1804

October 23, 2012

Prepared By:

LANDMARK

Landmark Consultants, Corp.
528 Leonard St.
Brooklyn NY 11222
Telephone: 718-383-6800
Fax: 718-349-0438

Certified By: _____
Mr. Andrew L. Gasparro/Industrial Hygienist

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1.0 INTRODUCTION

Landmark Consultants, Inc. (Landmark) has been retained by Kenry Corp. to prepare this Health and Safety Plan (HASP) to be utilized during proposed construction activities for approximate 5,000 square foot parcel of land that consist of a vacant lot (Block 2531 Lot 35/36) located near the intersection of India Street and West Street in Brooklyn, New York (see Project Location Plan). The planned development consists of a 4-story residential building with a single cellar spanning about half of the Site. The balance of the Site will consist of a concrete patio and yard space. The depth of the cellar will extend approximately 10 feet below the existing Site grade. The foundation will be supported on footings. Excavation and foundation construction will involve the removal and off-site disposal of approximately 1,700 tons of material.

The HASP was prepared in general conformance with New York City Department of Environmental Protection (NYCDEP) and New York State Department of Environmental Conservation (NYSDEC) protocols.

This document has been developed, in accordance with the requirements of 29 CFR 1910.120 ("HAZWQPER"), to establish the procedures necessary for protecting on-site personnel from potential hazards resulting from all activities that will in any way disturb Kurficial soil formations on the subject property, i.e., excavation of building foundations, installation of site improvements, excavation of utility trenches,' stockpiling, backfilling, etc.

LANDMARK has developed the following health and safety procedures for all on-site personnel to follow during construction activities. LANDMARK Site Safety Officer (SSO) Andrew L. Gasparro or his representative will be on the subject property, on a daily basis, until exposure pathways for identified contaminates have been eliminated. The SSO will be responsible for informing all on-site construction and technical personnel of the pertinent level of personal protection required and work rules to be observed. The SSO will have the authority *to* stop all work activities as deemed necessary based on: a) visual assessment of the work activity; or b) data obtained from field screening instrumentation. The Project Superintendent or his representative will also maintain a daily sign in sheet to document all on-site personnel and visitors. No smoking, eating, or chewing of gum/tobacco will be permitted on the subject site during any activity that will disturb the site's surficial soil formations. Under no circumstance will excavation activities commence prior to completion of utility mark-out activities. Confined spate entry will not be attempted, by any party, daring site development activities. In the event a confined space entry becomes necessary during the aforementioned site development activities, the SSO will be contacted 48-hours prior to it in order that appropriate measures can be implemented. The health and safety requirements discussed herein are based on currently available information obtained during an assessment of the subject property by LANDMARK and a preliminary analysis of associated potential hazards. This plan establishes the minimum protocols necessary for protecting all construction workers and technicians on-site.

All contractors and subcontractors will be responsible for supplying their personnel on-site with safety equipment that, at a minimum, meets the requirements of this site (HSP). The SSO or his representative will conduct all monitoring and testing discussed in this HSP. The SSO will be authorized to remove or have removed any and all personnel working on the subject property who do not comply with the minimum standards outlined in this HASP.

2.0 PREVIOUS INVESTIGATIONS

A sub surface Remedial Investigation was performed by Landmark Consultants Corp. in September of 2012. The general goals associated with the Subsurface Investigation (09/2012) were to characterize surficial soil formations at selected locations on the subject property via the drilling of soil test borings and laboratory analysis of suspect soil samples. The investigation also included the installation of three monitoring wells on site.

Based on the available city directory listings, the Subject Property appears to have only residential listings in 1934, 1945, 1949, 1960, and 1965. No listings for the Subject Property were noted after 1965.

The surrounding properties also appear to have been used for residential purposes. Only residential listings are noted for 39 India Street (1934-1997), 41 India Street (1934-1997), 43 India Street (1934-1960), 44 India Street (1928-1992), 46 India Street (1928-1997), 47 India Street (1934-1997), 48 India Street (1934-1997), 49 India Street (1934-1997), 50 India Street (1934-1992), and 52 India Street (1934 only).

3.0 HAZARD EVALUATION/POTENTIAL CHEMICAL EXPOSURE

The subject property was formerly utilized for residential purposes. Notably, however, various businesses of environmental concern occupied portions of the property between 1887 and 1996. These businesses included a chemical company, iron foundry, and various manufacturing operations. Based on the aforementioned, potential chemical exposure on-site is suspected to be volatile organic compounds, semi-volatile organic compounds, and arsenic and beryllium, and metals.

The most likely routes of exposure are breathing of volatile and semi-volatile organic compounds or particulate-laden air released during soil disturbing activities. Dermal contact is also a potential exposure pathway. The remaining sections of this HASP address procedures (including training, air monitoring, work practices and emergency response) to reduce the potential for unnecessary and unacceptable exposure to these contaminants.

The potential adverse health effects from the broad classes of chemicals potentially present at the site are diverse and potentially severe. Although many of these chemicals are known or suspected to result in chronic illness from long-duration exposures, due to the limited nature of the field work, acute effects are both more likely to be of concern and noticeable.

A. PAH's, such as Bernzo(a)anthracene, are carcinogens and need to be treated as such.
B. Heavy metals and Pesticides, such as lead and Mercury as well as DDE, DDT and DDD, can affect the central nervous system, kidneys, and immune system, particularly young children. In adults, these metals may decrease reaction time, cause weakness in fingers, wrists, or ankles, and possibly affect the memory.

This Health and Safety Plan addresses potential environmental hazards from the presence of potential hazardous materials. It is not intended to address the normal hazards of construction work, which are covered by OSHA regulations and/or local and state construction codes or

regulations.

4.0 DUST CONTROL

To prevent the potential off-site transport of dust, which may contain above-background levels of volatile and semi-volatile organic compounds and metals, the following dust control measures will be implemented during all earth disturbing operations:

- Applying water and/or gravel to all haul roads.
- Wetting down of all exposed soil surfaces to suppress dust in dry weather.
- Wetting down of all open excavations to suppress dust in dry weather.
- All haul trucks will have tarp covers.
- All on site vehicles will be limited to 10 MPH.
- Gravel pads will be placed at egress points to prevent tracking out of dust.

5.0 HAZARDOUS MATERIALS CONTINGENCIES

All known potentially hazardous materials will be removed from work areas prior to the beginning of excavation. However, because of historic backfilling activities at the site, there is a potential for the discovery of additional materials during site excavation activities. In the event that previously unidentified potentially hazardous materials are discovered during excavation, then the following contingency procedures will be followed. All excavations will be continuously monitored for the presence of buried tanks, drums or other containers, sludges, or soil, which show evidence of potential contamination, such as discoloration, staining, or odors. If any of these are detected, excavation in the area will be halted. The SSO will immediately notify the owner's representative and the LANDMARK - Hazardous Materials Response Team.

The affected area will be cordoned off and no further work will be performed at that location until the appropriate contingency response plan, described below, is implemented. All contingency response actions will be carried out in accordance with the contingency Health and Safety procedures specified below.

5.1 Drum/Container Contingency Plan

If drums or other containers are encountered, the area will be cordoned off and the below listed steps will be followed. In the event additional tanks are identified, they will be decommissioned as outlined in 40 CFR part 280 and 6NYCRR parts 612-614 (see Section 13).

1. If there is evidence of a petroleum spill, notify the NYSDEC Spill Hotline within two (2) hours.

2. Examine the drum to determine its condition and whether it contains any materials. If the drum is empty, remove and dispose of as scrap.

3. If the drum contains any material, sample the contents using procedures appropriate to the condition of the drum. All samples will be analyzed for volatile and semi-volatile organic compounds, PCB's, metals, reactivity, and flash point following NYSDEC ASP procedures by a New York State

Department of Health ELAP-certified laboratory.

4. Move the drum using appropriate precautions to a secure location with secondary containment.

5. Following NYSDEC approval, the drum will be disposed of in accordance with all applicable regulations.

6.0 MEDICAL EMERGENCY

Medical emergencies can be described as situations that present a significant threat to the health of personnel involved in the implementation of the subsurface assessment activities. These can result from exposure to chemicals, heat stress, cold stress, and poisonous insect bites. Medical emergencies must be dealt with immediately and proper care should be administered. This may be in the form of first aid and emergency hospitalization.

In the event of a medical emergency, assess whether or not the victim can be safely transported to medical facilities. If the victim cannot be moved without the risk of aggravating their condition, refer to Section 8 "Emergency Notification" and summon an ambulance and appropriate emergency response personnel.

7.0 TRANSPORTING VICTIMS

If the victim can be safely transported without risk of additional injury, the nearest hospital is NYU Medical located at 400 East 34th Street New York, NY 10016 (212) 263-8830 the hospital is located on the Southeast corner of East 34th St and 1st Ave in New York City. The most direct emergency route from the subject property to the hospital is as follows (see Emergency Route to NYU Medical Center):

1). East on India St to McGuiness Blvd Turn Left
2). Over the Pulaski Bridge and veer Right to the Midtown Tunnel
3). Exit Left out of Tunnel to 34th St and Make a left on 34th St Hospital is on Right

Total mileage to the hospital is approximately 3.8 miles. Travel time is less than 11 minutes.

8.0 EMERGENCY NOTIFICATION

The following is a list of telephone numbers for the nearest hospital and emergency response personnel:

Metropolitan Hospital Center	212-423-6262
Fire Emergency	911
Ambulance/Rescue Squad	911
New York City Police	911

NYSDEC Spill Hotline	1-800-457-7362
NYC Department of Health	1-212-442-9666
NYSDEC Region H Headquarters Division of Hazardous Waste Remediation	1-718-482-4933
LANDMARK Project Manager Peter Bulla	1-212-967-2484 (office) 1-718-208-0129 (cellular)
LANDMARK Site Safety Officer Andrew L. Gasparro	1-212-967-2484 (office) 1-917-743-4789 (cellular)

9.0 EMERGENCY MEDICAL TREATMENT

A first aid kit will be provided on-site for emergency medical treatment. The SSO will assume responsibility for determining the need to call the hospital. It will also be the SSO's responsibility to monitor site personnel for heat and cold stress.

Heat Stress - Wearing personal protection equipment, such as Tyvek coveralls, can contribute to heat stress. There are five major categories of heat-related disorders:

- Transient heat fatigue, caused by non-acclimation of workers to heat, is characterized by decline in the workers' alertness and concentration.

- Heat rash, also known as prickly heat, is caused by the body's inability to remove sweat by evaporation. This is aggravated more by the wearing of protective clothing, which prevents the sweat from evaporating. Frequent showers, the use of baby powder, and resting at regular intervals can alleviate the condition.

- Heat cramps are painful spasms caused by loss of salt and other electrolytes from the body. Relief is provided by drinking half a glass of water containing half a teaspoon of salt every 15 minutes. Cramps can also be prevented by drinking an electrolyte mixture (such as Gatorade) while working. Persons who have heart problems or are on low sodium diets must consult a physician for relief of heat cramps.

- Heat exhaustion is caused by excessive sweating. The worker will continue to sweat, but experience extreme weakness, fatigue, giddiness, nausea, or headache. The worker may vomit or faint. The skin will be clammy or moist, complexion will be flushed or pale and body temperature will be normal or slightly higher. The victim should lie down in a cool place, with the feet elevated 8-12 inches. Lightly salted liquids - i.e., half a glass of water with half a teaspoon of salt - should be administered every 15 minutes. Cool, wet cloths can also be applied. If vomiting occurs, discontinue fluids and take victim to the hospital.

- Heat stroke, the most dangerous form of heat-related injury, is life threatening. Body

temperature will rise significantly and rapidly, i.e., >105°F; the skin will be hot, dry, and usually red in spots; pulse will be rapid and strong. The victim will no longer be sweating. An ambulance must be summoned immediately but in the meantime, move the victim to a cool place, soak his/her clothes with water, and fan his/her body vigorously to promote cooling and quickly reduce body temperature.

Prevention is the first and foremost means of handling heat stress problems. Workers should drink 1 to 1.6 gallon of fluid per day to maintain body fluids and body weight.

Cold Stress - Frostbite is characterized by white to grayish-yellow skin color and should be treated by rapidly warming the affected part in running water at 102 to 105°F. Hypothermia is characterized by excessive shivering and, in severe cases, unconsciousness may result. Warm the victim as quickly as possible by moving to a warm, sheltered area and/or placing him/her in a tub of water 102 to 105 F.

Field crewmembers and contractors should inform the HSO if they feel excessively chilled. The HSO should be alert to cold weather, and assure that workers are warmly dressed and take shelter periodically.

10.0 PERSONAL PROTECTION ON-SITE

Based on currently available information, Level D protection should be adequate for most of the work to be performed on-site. For the purpose of this HASP, Level D areas are defined as areas where gross ambient organic vapor levels (monitored in real time) range from site background to 5 ppm over background. Background readings will be obtained each day within the work area prior to commencement of work and along the perimeter of the work site. For the purpose of this HASP, during the site assessment activities, Level D protection consists of: work cloths/coveralls, gloves, safety boots, and a hard hat.

If concentrations of organic vapors, as monitored in real time, exceed 5 ppm over site background, or toxic airborne substances are known to exist, personal protection will be upgraded to Level C.

For the purpose of the HASP, Level C areas are defined as areas where gross ambient organic vapor levels, monitored in real time, exceed 5 ppm over background but are less than 500-ppm, or where the presence of toxic/explosive airborne substances are known or suspected.

Level C protection adds a full-face air-purifying respirator to the Level D protection described above and requires Tyvek coveralls, chemical resistant gloves, and boots.

During the course of excavation activities, all efforts will be made to minimize activities that will create dust. Dust suppression, including wetting down the work area, will be utilized as necessary.

10.1 Basic Equipment

Basic safety equipment will be kept on-site to monitor site conditions and respond to emergency situations. This equipment includes, but is not limited to, the following:

1.) First Aid Kits

2.) Portable eyewash

3.) Type ABC fire extinguisher

4.) Photo Ionization Detector (PID)

5). Dust Trak dust monitor

10.2 Personnel Training

All personnel working on-site that are involved with any activity that brings them into contact with the site's surficial soils will have received a minimum of 40 hours of Health and Safety training in accordance with OSHA 1910.120(E)(2).

Craft Labor who will be working on-site are responsible for understanding and complying with HASP requirements and for notifying either the SSO or their supervisor of any concerns they might have for their health and safety on the job. Craft Labor and all other support personnel are responsible for conducting themselves in a safe manner, mindful of the inherent hazards associated with working around contaminated materials, heavy equipment, and extreme environmental conditions.

11.0 FIELD PROCEDURES

Work areas will be initially defined as Level 'D'. If conditions warrant, personnel protection will be upgraded as deemed necessary by the SSO. Level 'C will be cordoned off while work is taking place. Access to areas designated will be provided only to those persons directly involved in the field operations and only if the appropriate level of personal protection is worn. All equipment and personnel will be subjected to decontamination procedures before leaving an area of restricted access. Separate work zones and decontamination zones will be pre-designated in areas requiring Level C protection.

11.1 Air Monitoring

Air monitoring shall be conducted in accordance with requirements specified in 29 CFR 1910.134 to assure proper selection of engineering controls, work practices and personal protective equipment so that workers are not exposed to levels which exceed permissible exposure limits, or published exposure limits. Air monitoring, with respect to volatile organic contaminants and dust, will be conducted concurrent to work activities at the site and for the duration of it.

Once having identified concentrations of specific contaminants and their respective permissible exposure limits (PEL), as identified by NIOSH and/or OSHA, appropriate respiratory protection will be selected. In cases pertaining to oxygen deficient environments, pressure demand supplied air will be utilized accordingly. In cases where oxygen deficiency is not an issue,

individual contaminants and their respective concentrations must be determined.

Monitoring equipment to be utilized, as deemed necessary, will include: a PE) and dust monitor. Site Safety Officer(s) and any other personnel within the work area or area of restricted access, will modify personal levels of protection, as deemed appropriate, relative to 29 CFR 1910.134.

11.2 Explosivity

The work area will also be monitored by the SSO for the presence of explosive gases, utilizing a combustible gas indicator.

When levels approach 25 percent of the lower explosive limit (LEL), work will stop until explosive gases have dissipated sufficiently to resume work.

11.3 Community Air Monitoring - Volatile Organic Compounds

Air quality will be continuously monitored, by the owner of the owner's representative, at downwind perimeter of the contaminated work area while soil-disturbing activities are occurring. The action levels and required responses are listed below:

ACTION LEVEL	RESPONSE ACTION
Less than 5 ppm above background*	Continue work.
More than 5 ppm, but less than 10 ppm above background	Implement vapor emission response plan.
More than 10 ppm above background	Stop work. Perform downwind monitoring in accordance with vapor emission response plan.

Vapor Emission Response Plan

When vapor concentrations at the downwind edge of the work area exceed 5 ppm over background then work will be temporarily suspended and the SSO will notify the owner or the owner's representative. Work may be resumed if:

1. Concentrations at the downwind edge of the work area fall below 5 ppm over background; **OR,**
2. Concentrations measured 200 feet downwind or at half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.

If the downwind concentrations measured 200 feet downwind or at half the distance to the nearest downwind residential or commercial structure, whichever is less, exceed 5 ppm over background, then all work will be halted and the SSO will notify the owner or the owner's representative.

Community Air Monitoring - Particulates

Real-time particulate monitors will be used to monitor airborne total particulate levels during all excavation and all moving or loading of soil from contaminated areas (TSI Dust Trak Model 8520, MIE PDR 1,000 or equivalent). Particulate levels will be continuously monitored within, and at the upwind and downwind ends of the work area.
If the work area is limited to under a 50-foot radius, then only upwind and downwind levels will be measured.

If downwind dust particulate levels, integrated over a period of 15 minutes, are more than 0.15 mg/m3 greater than the upwind particulate level, then appropriate dust suppression measures will be implemented.

11.4 Record Keeping

The SSO will maintain a record of all individuals present at the work site, levels of worker protection, and general conformance with this HSP. Meter readings will be periodically recorded in addition to noting observed peak readings.

12.0 DECONTAMINATION

All equipment and personnel will be subjected to decontamination procedures before leaving an area of restricted access. Separate work zones and decontamination zones will be pre-designated, if needed, in areas requiring Level C protection.

12.1 Level C Areas

The decontamination zone within a Level C area will be lined with plastic to contain wash waters. Reusable equipment will be cleaned with appropriate solutions. Disposable equipment, coveralls, gloves, etc. will be placed in plastic bags and disposed of as household waste in available on-site receptacles. Respirators will be worn throughout the decontamination process. Liquid wastes, contained in the process of Level C decontamination, will be placed in drums to be supplied by the contractor for disposal in accordance with applicable regulations.

12.2 Level D Areas

Before leaving Level D work areas, loose soil will be brushed from equipment and clothing. Equipment will be washed with detergent and water. Disposable coveralls, gloves, etc. will be placed in plastic bags and disposed of as household waste in available on-site receptacles.

13.0 GENERAL WORK PRACTICES

To protect the health and safety of the field personnel, all field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance in contaminated areas:

- Eating, drinking, chewing gum, or tobacco, and smoking are prohibited, except in designated areas on the site. These areas will be designated by the SSO.

- Workers must wash their hands and face thoroughly upon leaving the work area and before eating, drinking, or any other such activity. The workers should shower as soon as possible after leaving the site.

- Contact with contaminated or suspected surfaces should be avoided.

- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat stress.

14.0 UST CLOSURE PROTOCOL

In the event any USTs are identified during site development activities, they will be decommissioned in accordance with local, state, and federal regulations. The following procedures will be implemented:

1) Prior to any excavation, a utility mark out will be ordered from New York Dig Safe. Once the USTs are uncovered, all product piping will be drained into the tank. The piping will then be removed.
2) All liquids and residues will be removed from USTs by using explosion-proof or air driven pumps. Pump motors and suction hoses will be bonded to the tank or otherwise grounded to prevent electrostatic ignition hazards. It may be necessary to use a hand pump to remove the last few inches of liquid from the bottom of the tank. If a vacuum truck is used for removal of liquids or residues, the area of operation for the vacuum truck will be vapor-free. The truck will be located upwind from the tank and outside the path of probable vapor travel. The vacuum pump exhaust gases will be discharged through hose of adequate size and length downwind of the truck, tank, and building.
3) All fill pipes, return/feed lines and other non-product lines except the vent line will be removed. The vent line will remain connected until the tank is purged. All other tank openings will be temporarily plugged so that all vapors will exit through the vent line during vapor-freeing process.
4) All flammable vapors will be removed by one of the methods described below. These methods provide a means for temporary vapor freeing of the tanks.

   - Flammable and combustible vapors may be purged with an inert gas, such as carbon dioxide (CO_2) or nitrogen (N_2).
   - The vapors in the tank may be displaced by adding solid CO_2 ("dry ice") to the tanks in an amount of at least 1.5 pounds per 100 gallons of tanks capacity.
   - Ventilation using an educator-type air mover usually driven by compressed air.
   - Ventilation with a diffused air blower.

5) The tank's atmosphere and the excavation area will be regularly tested for flammable vapor concentrations until the tank is removed from both the excavation and the Site.
6) The tank's vapor space will be tested by placing the combustible gas indicator probe into the fill opening with the drop tube removed. Readings will be taken at the bottom, middle, and upper portions of the tanks, and the instrument shall be cleared after reading.

Readings of 10% or less of the lower flammable limits will be obtained before the tank is considered safe for removal from the ground. OSHA requires a lower flammable limit of 10% or less prior to removing the tank from the ground.

7) After the tank has been purged of vapors and before it is removed from the excavation, all accessible holes will be temporarily plugged or capped, to prevent soil or other objects from entering the tank. The tank will always be positioned with the vent plug on top of the tank during subsequent transport and storage.
8) The area around the tank will be excavated to facilitate removal. The tank will be removed from the excavation and placed on a level surface. Wooden blocks will be used to prevent movement of the tanks after removal and prior to loading on a truck for transportation.
9) Following venting of the UST, the tanks will be cut open and cleaned of any residual petroleum by a confined space certified person. The tank will be removed from the Site as promptly as possible after vapor-freeing procedures have been completed.
10) The tank will be sold to a scrap dealer for recycling. Sufficient holes will be made in the tanks to render them unfit for reuse. A bill of sale will be used to transfer tank ownership.
11) All bottom sludge will be transferred to DOT approved 55-gallon drums and secured on-site. The drums will be properly labeled once closed. All bottom sludge drums will be properly transported to a licensed disposal/treatment facility.
12) Site assessment confirmatory soil samples will be collected from the four (4) walls and bottom of all tank(s) excavations. The soil samples will be screened in the field with a photo ionization detector (PID) for the presence of petroleum contamination. All samples will be transferred into laboratory supplied glassware and hand delivered, under chain of custody procedures, to a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory for analysis for volatile organic compounds and PAHs, in accordance with USEPA Methods 8021 and 8270. The NYSDEC Spill Technology and Remediation Series Memo No. 1 (STARS) analyte list will be used for these analyses.

During excavation and removal of the USTs, SSO personnel will be on-site to field screen disturbed soils with a PID for the presence of petroleum contamination. If soils are encountered that exhibit PID readings greater than 10 parts per million, or exhibit petroleum odors, the material will be stockpiled separately. The material will be placed on and covered with 10-mil polyethylene sheeting. Composite sample will be collected from the stockpiled soils for laboratory analysis of NYSDEC STARS analytes, as well as parameters required by the designated waste disposal facility. Once the laboratory results are available, the proper disposal facility will be selected and the soil will be transported to the disposal facility in accordance with all local, state, and federal regulation. Non-hazardous/regulated waste manifests will be prepared at the Site prior to transport to the approved facility. The hauler will have all necessary permits and licenses to transport the material, including a NYSDEC 364 permit. All manifests will be signed at the facility to show receipt of the material.

Finally, in the event a release of contaminants into the environment is identified, the NYSDEC Spills Hotline will be immediately contacted.

15.0 ACKNOWLEDGMENTS OF HASP

This is an affidavit that must be signed by all workers who enter the site. A copy of the HSP

must be on-site at all times and will be kept by the project superintendent or his representative.

AFFIDAVIT

I, (NAME), of Landmark Consultants Corp.
have read the "Health and Safety Plan" (HASP) for the site. I agree to conduct all on-site work in accordance with the requirements set forth in this HSP and understand that failure to comply with this HSP could lead to my removal from the site.

Additional on-site personnel, please read the above affidavit and sign below:

NAME	COMPANY	DATE
*For additional on-site personnel, copy this page and attach to HSP.		

16.0 DIRECTIONS TO HOSPITAL

Please see Attached.

Directions to NYU School of Medicine
530 1st Avenue, New York, NY 10016
3.8 mi – about 11 mins

45 India St, Brooklyn, NY 11222

	1. Head **east** on **India St** toward **Franklin St** About 1 min	go 0.4 mi total 0.4 mi
	2. Take the 3rd left onto **McGuinness Blvd** About 56 secs	go 0.2 mi total 0.5 mi
	3. Continue onto **Pulaski Bridge** About 2 mins	go 0.5 mi total 1.1 mi
	4. Slight right onto **11th St**	go 282 ft total 1.1 mi
	5. Turn right onto **Jackson Ave**	go 0.2 mi total 1.3 mi
	6. Take the 2nd right onto **21st St** About 1 min	go 0.2 mi total 1.5 mi
	7. Take the ramp to **Midtown Tun/Manhattan** Toll road	go 0.1 mi total 1.6 mi
	8. Slight right onto **I-495 W** Toll road About 2 mins	go 1.4 mi total 3.0 mi
	9. Exit on the left onto **Tunnel Exit St** Partial toll road	go 0.2 mi total 3.3 mi
	10. Turn left onto **E 34th St**	go 466 ft total 3.3 mi
	11. Take the 1st right onto **2nd Ave** About 45 secs	go 0.2 mi total 3.5 mi
	12. Turn left onto **E 30th St** About 46 secs	go 0.1 mi total 3.7 mi
	13. Turn left onto **1st Avenue** Destination will be on the right About 46 secs	go 469 ft total 3.8 mi

NYU School of Medicine
530 1st Avenue, New York, NY 10016

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.
Map data ©2012 Google, Sanborn

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

TABLE 1 - TRACK 1 SOIL CLEANUP OBJECTIVES
REMEDIAL ACTION WORK PLAN
45 INDIA STREET, BROOKLYN, NEW YORK

Contaminant	Unrestricted Use (mg/kg) [1]
4,4'-DDE	0.0033
4,4'-DDD	0.0033
4,4'-DDT	0.0033
Dieldrin	0.005
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	0.8
Chrysene	1
Dibenzo(a,h)anthracene	0.33
Indeno(1,2,3-cd)pyrene	0.5
Phenol	0.33
Barium	350
Cadmium	2.5
Lead	63
Mercury	0.18
Zinc	109

[1] - Adapted from 6 NYCRR PART 375 Table 375-6.8(a):Unrestricted Use Soil Cleanup Objectives

[2] - For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

DDT, DDE, AND DDD

CAS # 50-29-3, 72-55-9, 72-54-8

Division of Toxicology ToxFAQs™ September 2002

This fact sheet answers the most frequently asked health questions (FAQs) about DDT, DDE, and DDD. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to DDT, DDE, and DDD occurs mostly from eating foods containing small amounts of these compounds, particularly meat, fish and poultry. High levels of DDT can affect the nervous system causing excitability, tremors and seizures. In women, DDE can cause a reduction in the duration of lactation and an increased chance of having a premature baby. DDT, DDE, and DDD have been found in at least 441 of the 1,613 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are DDT, DDE, and DDD?

DDT (dichlorodiphenyltrichloroethane) is a pesticide once widely used to control insects in agriculture and insects that carry diseases such as malaria. DDT is a white, crystalline solid with no odor or taste. Its use in the U.S. was banned in 1972 because of damage to wildlife, but is still used in some countries.

DDE (dichlorodiphenyldichloroethylene) and DDD (dichlorodiphenyldichloroethane) are chemicals similar to DDT that contaminate commercial DDT preparations. DDE has no commercial use. DDD was also used to kill pests, but its use has also been banned. One form of DDD has been used medically to treat cancer of the adrenal gland.

What happens to DDT, DDE, and DDD when they enter the environment?

- DDT entered the environment when it was used as a pesticide; it still enters the environment due to current use in other countries.
- DDE enters the environment as contaminant or breakdown product of DDT; DDD also enters the environment as a breakdown product of DDT.
- DDT, DDE, and DDD in air are rapidly broken down by sunlight. Half of what's in air breaks down within 2 days.
- They stick strongly to soil; most DDT in soil is broken down slowly to DDE and DDD by microorganisms; half the DDT in soil will break down in 2-15 years, depending on the type of soil.
- Only a small amount will go through the soil into groundwater; they do not dissolve easily in water.
- DDT, and especially DDE, build up in plants and in fatty tissues of fish, birds, and other animals.

How might I be exposed to DDT, DDE, and DDD?

- Eating contaminated foods, such as root and leafy vegetables, fatty meat, fish, and poultry, but levels are very low.
- Eating contaminated imported foods from countries that still allow the use of DDT to control pests.
- Breathing contaminated air or drinking contaminated water near waste sites and landfills that may contain higher levels of these chemicals.
- Infants fed on breast milk from mothers who have been exposed.
- Breathing or swallowing soil particles near waste sites or landfills that contain these chemicals.

How can DDT, DDE, and DDD affect my health?

DDT affects the nervous system. People who accidentally swallowed large amounts of DDT became excitable and had tremors and seizures. These effects went away after the exposure stopped. No effects were seen in people who took small daily doses of DDT by capsule for 18 months.

A study in humans showed that women who had high amounts of a form of DDE in their breast milk were unable to

breast feed their babies for as long as women who had little DDE in the breast milk. Another study in humans showed that women who had high amounts of DDE in breast milk had an increased chance of having premature babies.

In animals, short-term exposure to large amounts of DDT in food affected the nervous system, while long-term exposure to smaller amounts affected the liver. Also in animals, short-term oral exposure to small amounts of DDT or its breakdown products may also have harmful effects on reproduction.

How likely are DDT, DDE, and DDD to cause cancer?

Studies in DDT-exposed workers did not show increases in cancer. Studies in animals given DDT with the food have shown that DDT can cause liver cancer.

The Department of Health and Human Services (DHHS) determined that DDT may reasonable be anticipated to be a human carcinogen. The International Agency for Research on Cancer (IARC) determined that DDT may possibly cause cancer in humans. The EPA determined that DDT, DDE, and DDD are probable human carcinogens.

How can DDT, DDE, and DDD affect children?

There are no studies on the health effects of children exposed to DDT, DDE, or DDD. We can assume that children exposed to large amounts of DDT will have health effects similar to the effects seen in adults. However, we do not know whether children differ from adults in their susceptibility to these substances.

There is no evidence that DDT, DDE, or DDD cause birth defects in people. A study showed that teenage boys whose mothers had higher DDE amounts in the blood when they were pregnant were taller than those whose mothers had lower DDE levels. However, a different study found the opposite in preteen girls. The reason for the discrepancy between these studies is unknown.

Studies in rats have shown that DDT and DDE can mimic the action of natural hormones and in this way affect the development of the reproductive and nervous systems. Puberty was delayed in male rats given high amounts of DDE as juveniles. This could possibly happen in humans.

A study in mice showed that exposure to DDT during the first weeks of life may cause neurobehavioral problems later in life.

How can families reduce the risk of exposure to DDT,DDE, and DDE?

- ❑ Most families will be exposed to DDT by eating food or drinking liquids contaminated with small amounts of DDT.
- ❑ Cooking will reduce the amount of DDT in fish.
- ❑ Washing fruit and vegetables will remove most DDT from their surface.
- ❑ Follow health advisories that tell you about consumption of fish and wildlife caught in contaminated areas.

Is there a medical test to show whether I've been exposed to DDT, DDE, and DDD?

Laboratory tests can detect DDT, DDE, and DDD in fat, blood, urine, semen, and breast milk. These tests may show low, moderate, or excessive exposure to these compounds, but cannot tell the exact amount you were exposed to, or whether you will experience adverse effects. These tests are not routinely available at the doctor's office because they require special equipment.

Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) sets a limit of 1 milligram of DDT per cubic meter of air (1 mg/m^3) in the workplace for an 8-hour shift, 40-hour workweek.

The Food and Drug Administration (FDA) has set limits for DDT, DDE, and DDD in foodstuff at or above which the agency will take legal action to remove the products from the market.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2002. Toxicological Profile for DDT/DDE/DDD (Update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

ALDRIN and DIELDRIN

CAS # 309-00-2 and 60-57-1

Division of Toxicology ToxFAQs™ September 2002

This fact sheet answers the most frequently asked health questions (FAQs) about aldrin and dieldrin. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to aldrin and dieldrin happens mostly from eating contaminated foods, such as root crops, fish, or seafood. Aldrin and dieldrin build up in the body after years of exposure and can affect the nervous system. Aldrin has been found in at least 207 of the 1,613 National Priorities List sites identified by the Environmental Protection Agency (EPA). Dieldrin has been found in at least 287 of the 1,613 sites.

What are aldrin and dieldrin?

Aldrin and dieldrin are insecticides with similar chemical structures. They are discussed together in this fact sheet because aldrin quickly breaks down to dieldrin in the body and in the environment. Pure aldrin and dieldrin are white powders with a mild chemical odor. The less pure commercial powders have a tan color. Neither substance occurs naturally in the environment.

From the 1950s until 1970, aldrin and dieldrin were widely used pesticides for crops like corn and cotton. Because of concerns about damage to the environment and potentially to human health, EPA banned all uses of aldrin and dieldrin in 1974, except to control termites. In 1987, EPA banned all uses.

What happens to aldrin and dieldrin when they enter the environment?

- Sunlight and bacteria change aldrin to dieldrin so that we mostly find dieldrin in the environment.
- They bind tightly to soil and slowly evaporate to the air.
- Dieldrin in soil and water breaks down very slowly.
- Plants take in and store aldrin and dieldrin from the soil.
- Aldrin rapidly changes to dieldrin in plants and animals.
- Dieldrin is stored in the fat and leaves the body very slowly.

How might I be exposed to aldrin or dieldrin?

- Dieldrin is everywhere in the environment, but at very low levels.
- Eating food like fish or shellfish from lakes or streams contaminated with either chemical, or contaminated root crops, dairy products, or meats.
- Air, surface water, or soil near waste sites may contain higher levels.
- Living in homes that were once treated with aldrin or dieldrin to control termites.

How can aldrin and dieldrin affect my health?

People who have intentionally or accidentally ingested large amounts of aldrin or dieldrin have suffered convulsions and some died. Health effects may also occur after a longer period of exposure to smaller amounts because these chemicals build up in the body.

Some workers exposed to moderate levels in the air for a long time had headaches, dizziness, irritability, vomiting, and uncontrolled muscle movements. Workers removed from the source of exposure rapidly recovered from most of these effects.

Animals exposed to high amounts of aldrin or dieldrin also had nervous system effects. In animals, oral exposure to lower levels for a long period also affected the liver and decreased their ability to fight infections. We do not know whether aldrin or dieldrin affect the ability of people to fight disease.

Studies in animals have given conflicting results about whether aldrin and dieldrin affect reproduction in male animals and whether these chemicals may damage the sperm.

We do not know whether aldrin or dieldrin affect reproduction in humans.

How likely are aldrin and dieldrin to cause cancer?

There is no conclusive evidence that aldrin or dieldrin cause cancer in humans. Aldrin and dieldrin have been shown to cause liver cancer in mice. The International Agency for Research on Cancer (IARC) has determined that aldrin and dieldrin are not classifiable as to human carcinogenicity. The EPA has determined that aldrin and dieldrin are probable human carcinogens.

How can aldrin and dieldrin affect children?

Children can be exposed to aldrin and dieldrin in the same way as adults. There are no known unique exposure pathways for children. Children who swallowed amounts of aldrin or dieldrin much larger than those found in the environment suffered convulsions and some died, as occurred in adults. However, we do not know whether children are more susceptible than adults to the effects of aldrin or dieldrin.

We do not know whether aldrin or dieldrin cause birth defects in humans. Pregnant animals that ingested aldrin or dieldrin had some babies with low birth weight and some with alterations in the skeleton. Dieldrin has been found in human breast milk, therefore, it can be passed to suckling infants.

How can families reduce the risk of exposure to aldrin and dieldrin?

- Since aldrin and dieldrin are no longer produced or used, exposure to these compounds will occur only from past usage.
- Because aldrin and dieldrin were applied to the basement of some homes for termite protection, before buying a home families should investigate what, if any, pesticides have been used within the home.

Is there a medical test to show whether I've been exposed to aldrin and dieldrin?

There are laboratory tests that can measure aldrin and dieldrin in your blood, urine, and body tissues. Because aldrin changes to dieldrin fairly quickly in the body, the test has to be done shortly after you are exposed to aldrin. Since dieldrin can stay in the body for months, measurements of dieldrin can be made much longer after exposure to either aldrin or dieldrin. The tests cannot tell you whether harmful health effects will occur. These tests are not routinely available at the doctor's office because they require special equipment.

Has the federal government made recommendations to protect human health?

The EPA limits the amount of aldrin and dieldrin that may be present in drinking water to 0.001 and 0.002 milligrams per liter (mg/L) of water, respectively, for protection against health effects other than cancer. The EPA has determined that a concentration of aldrin and dieldrin of 0.0002 mg/L in drinking water limits the lifetime risk of developing cancer from exposure to each compound to 1 in 10,000.

The Occupational Safety and Health Administration (OSHA) sets a maximum average of 0.25 milligrams of aldrin and dieldrin per cubic meter of air (0.25 mg/m^3) in the workplace during an 8-hour shift, 40 hour week. The National Institute for Occupational Safety and Health (NIOSH) also recommends a limit of 0.25 mg/m^3 for both compounds for up to a 10-hour work day, 40-hour week.

The Food and Drug Administration (FDA) regulates the residues of aldrin and dieldrin in raw foods. The allowable range is from 0 to 0.1 ppm, depending on the type of food product.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2002. Toxicological Profile for Aldrin/Dieldrin (Update). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

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POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Agency for Toxic Substances and Disease Registry ToxFAQs September 1996

This fact sheet answers the most frequently asked health questions (FAQs) about polycyclic aromatic hydrocarbons (PAHs). For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

SUMMARY: Exposure to polycyclic aromatic hydrocarbons usually occurs by breathing air contaminated by wild fires or coal tar, or by eating foods that have been grilled. PAHs have been found in at least 600 of the 1,430 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are polycyclic aromatic hydrocarbons?

(Pronounced pŏl′ī-sī′klĭk ăr′ə-măt′ĭk hī′drə-kär′bənz)

Polycyclic aromatic hydrocarbons (PAHs) are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Some PAHs are manufactured. These pure PAHs usually exist as colorless, white, or pale yellow-green solids. PAHs are found in coal tar, crude oil, creosote, and roofing tar, but a few are used in medicines or to make dyes, plastics, and pesticides.

What happens to PAHs when they enter the environment?

- PAHs enter the air mostly as releases from volcanoes, forest fires, burning coal, and automobile exhaust.
- PAHs can occur in air attached to dust particles.
- Some PAH particles can readily evaporate into the air from soil or surface waters.
- PAHs can break down by reacting with sunlight and other chemicals in the air, over a period of days to weeks.
- PAHs enter water through discharges from industrial and wastewater treatment plants.
- Most PAHs do not dissolve easily in water. They stick to solid particles and settle to the bottoms of lakes or rivers.
- Microorganisms can break down PAHs in soil or water after a period of weeks to months.
- In soils, PAHs are most likely to stick tightly to particles; certain PAHs move through soil to contaminate underground water.
- PAH contents of plants and animals may be much higher than PAH contents of soil or water in which they live.

How might I be exposed to PAHs?

- Breathing air containing PAHs in the workplace of coking, coal-tar, and asphalt production plants; smokehouses; and municipal trash incineration facilities.
- Breathing air containing PAHs from cigarette smoke, wood smoke, vehicle exhausts, asphalt roads, or agricultural burn smoke.
- Coming in contact with air, water, or soil near hazardous waste sites.
- Eating grilled or charred meats; contaminated cereals, flour, bread, vegetables, fruits, meats; and processed or pickled foods.
- Drinking contaminated water or cow's milk.

- Nursing infants of mothers living near hazardous waste sites may be exposed to PAHs through their mother's milk.

How can PAHs affect my health?

Mice that were fed high levels of one PAH during pregnancy had difficulty reproducing and so did their offspring. These offspring also had higher rates of birth defects and lower body weights. It is not known whether these effects occur in people.

Animal studies have also shown that PAHs can cause harmful effects on the skin, body fluids, and ability to fight disease after both short- and long-term exposure. But these effects have not been seen in people.

How likely are PAHs to cause cancer?

The Department of Health and Human Services (DHHS) has determined that some PAHs may reasonably be expected to be carcinogens.

Some people who have breathed or touched mixtures of PAHs and other chemicals for long periods of time have developed cancer. Some PAHs have caused cancer in laboratory animals when they breathed air containing them (lung cancer), ingested them in food (stomach cancer), or had them applied to their skin (skin cancer).

Is there a medical test to show whether I've been exposed to PAHs?

In the body, PAHs are changed into chemicals that can attach to substances within the body. There are special tests that can detect PAHs attached to these substances in body tissues or blood. However, these tests cannot tell whether any health effects will occur or find out the extent or source of your exposure to the PAHs. The tests aren't usually available in your doctor's office because special equipment is needed to conduct them.

Has the federal government made recommendations to protect human health?

The Occupational Safety and Health Administration (OSHA) has set a limit of 0.2 milligrams of PAHs per cubic meter of air (0.2 mg/m^3). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist that contains PAHs is 5 mg/m^3 averaged over an 8-hour exposure period.

The National Institute for Occupational Safety and Health (NIOSH) recommends that the average workplace air levels for coal tar products not exceed 0.1 mg/m^3 for a 10-hour workday, within a 40-hour workweek. There are other limits for workplace exposure for things that contain PAHs, such as coal, coal tar, and mineral oil.

Glossary

Carcinogen: A substance that can cause cancer.

Ingest: Take food or drink into your body.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for polycyclic aromatic hydrocarbons. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

PUBLIC HEALTH STATEMENT
POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Division of Toxicology **August 1995**

This Public Health Statement is the summary chapter from the Toxicological Profile for Polycyclic Aromatic Hydrocarbons (PAHs). It is one in a series of Public Health Statements about hazardous substances and their health effects. A shorter version, the ToxFAQs™, is also available. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present. For more information, call the ATSDR Information Center at 1-888-422-8737.

This statement was prepared to give you information about polycyclic aromatic hydrocarbons (PAHs) and to emphasize the human health effects that may result from exposure to them. The Environmental Protection Agency (EPA) has identified 1,408 hazardous waste sites as the most serious in the nation. These sites make up the National Priorities List (NPL) and are the sites targeted for long-term federal clean-up activities. PAHs have been found in at least 600 of the sites on the NPL. However, the number of NPL sites evaluated for PAHs is not known. As EPA evaluates more sites, the number of sites at which PAHs are found may increase. This information is important because exposure to PAHs may cause harmful health effects and because these sites are potential or actual sources of human exposure to PAHs.

When a substance is released from a large area, such as an industrial plant, or from a container, such as a drum or bottle, it enters the environment. This release does not always lead to exposure. You can be exposed to a substance only when you come in contact with it. You may be exposed by breathing, eating, or drinking substances containing the substance or by skin contact with it.

If you are exposed to substances such as PAHs, many factors will determine whether harmful health effects will occur and what the type and severity of those health effects will be. These factors include the dose (how much), the duration (how long), the route or pathway by which you are exposed (breathing, eating, drinking, or skin contact), the other chemicals to which you are exposed, and your individual characteristics such as age, sex, nutritional status, family traits, lifestyle, and state of health.

1.1 WHAT ARE PAHs?

PAHs are a group of chemicals that are formed during the incomplete burning of coal, oil, gas, wood, garbage, or other organic substances, such as tobacco and charbroiled meat. There are more than 100 different PAHs. PAHs generally occur as complex mixtures (for example, as part of combustion products such as soot), not as single compounds. PAHs usually occur naturally, but they can be manufactured as individual compounds for research purposes; however, not as the mixtures found in combustion products. As pure chemicals, PAHs generally exist as colorless, white, or pale yellow-green solids. They can have a faint, pleasant odor. A few PAHs are used in medicines and to make dyes, plastics, and pesticides. Others are contained in asphalt used in road construction. They can also be found in substances such as crude oil, coal, coal tar pitch, creosote, and roofing tar. They are found throughout the environment in the air, water, and soil. They can occur in the air, either

attached to dust particles or as solids in soil or sediment.

Although the health effects of individual PAHs are not exactly alike, the following 17 PAHs are considered as a group in this profile:
acenaphthene
acenaphthylene
anthracene
benz[a]anthracene
benzo[a]pyrene
benzo[e]pyrene
benzo[b]fluoranthene
benzo[g,h,i]perylene
benzo[j]fluoranthene
benzo[k]fluoranthene
chrysene
dibenz[a,h]anthracene
fluoranthene
fluorene
indeno[1,2,3-c,d]pyrene
phenanthrene
pyrene
These 17 PAHs were chosen to be included in this profile because (1) more information is available on these than on the others; (2) they are suspected to be more harmful than some of the others, and they exhibit harmful effects that are representative of the PAHs; (3) there is a greater chance that you will be exposed to these PAHs than to the others; and (4) of all the PAHs analyzed, these were the PAHs identified at the highest concentrations at NPL hazardous waste sites.

1.2 WHAT HAPPENS TO PAHs WHEN THEY ENTER THE ENVIRONMENT?

PAHs enter the environment mostly as releases to air from volcanoes, forest fires, residential wood burning, and exhaust from automobiles and trucks. They can also enter surface water through discharges from industrial plants and waste water treatment plants, and they can be released to soils at hazardous waste sites if they escape from storage containers. The movement of PAHs in the environment depends on properties such as how easily they dissolve in water, and how easily they evaporate into the air. PAHs in general do not easily dissolve in water. They are present in air as vapors or stuck to the surfaces of small solid particles. They can travel long distances before they return to earth in rainfall or particle settling. Some PAHs evaporate into the atmosphere from surface waters, but most stick to solid particles and settle to the bottoms of rivers or lakes. In soils, PAHs are most likely to stick tightly to particles. Some PAHs evaporate from surface soils to air. Certain PAHs in soils also contaminate underground water. The PAH content of plants and animals living on the land or in water can be many times higher than the content of PAHs in soil or water. PAHs can break down to longer-lasting products by reacting with sunlight and other chemicals in the air, generally over a period of days to weeks. Breakdown in soil and water generally takes weeks to months and is caused primarily by the actions of microorganisms.

1.3 HOW MIGHT I BE EXPOSED TO PAHs?

PAHs are present throughout the environment, and you may be exposed to these substances at home, outside, or at the workplace. Typically, you will not be exposed to an individual PAH, but to a mixture of PAHs.

In the environment, you are most likely to be exposed to PAH vapors or PAHs that are attached to dust and other particles in the air. Sources include

cigarette smoke, vehicle exhausts, asphalt roads, coal, coal tar, wildfires, agricultural burning, residential wood burning, municipal and industrial waste incineration, and hazardous waste sites. Background levels of some representative PAHs in the air are reported to be 0.02–1.2 nanograms per cubic meter (ng/m³; a nanogram is one-millionth of a milligram) in rural areas and 0.15–19.3 ng/m³ in urban areas. You may be exposed to PAHs in soil near areas where coal, wood, gasoline, or other products have been burned. You may be exposed to PAHs in the soil at or near hazardous waste sites, such as former manufactured-gas factory sites and wood-preserving facilities. PAHs have been found in some drinking water supplies in the United States. Background levels of PAHs in drinking water range from 4 to 24 nanograms per liter (ng/L; a liter is slightly more than a quart).

In the home, PAHs are present in tobacco smoke, smoke from wood fires, creosote-treated wood products, cereals, grains, flour, bread, vegetables, fruits, meat, processed or pickled foods, and contaminated cow's milk or human breast milk. Food grown in contaminated soil or air may also contain PAHs. Cooking meat or other food at high temperatures, which happens during grilling or charring, increases the amount of PAHs in the food. The level of PAHs in the typical U.S. diet is less than 2 parts of total PAHs per billion parts of food (ppb), or less than 2 micrograms per kilogram of food (μg/kg; a microgram is one-thousandth of a milligram).

The primary sources of exposure to PAHs for most of the U.S. population are inhalation of the compounds in tobacco smoke, wood smoke, and ambient air, and consumption of PAHs in foods. For some people, the primary exposure to PAHs occurs in the workplace. PAHs have been found in coal tar production plants, coking plants, bitumen and asphalt production plants, coal-gasification sites, smoke houses, aluminum production plants, coal tarring facilities, and municipal trash incinerators. Workers may be exposed to PAHs by inhaling engine exhaust and by using products that contain PAHs in a variety of industries such as mining, oil refining, metalworking, chemical production, transportation, and the electrical industry. PAHs have also been found in other facilities where petroleum, petroleum products, or coal are used or where wood, cellulose, corn, or oil are burned. People living near waste sites containing PAHs may be exposed through contact with contaminated air, water, and soil.

1.4 HOW CAN PAHs ENTER AND LEAVE MY BODY?

PAHs can enter your body through your lungs when you breathe air that contains them (usually stuck to particles or dust). Cigarette smoke, wood smoke, coal smoke, and smoke from many industrial sites may contain PAHs. People living near hazardous waste sites can also be exposed by breathing air containing PAHs. However, it is not known how rapidly or completely your lungs absorb PAHs. Drinking water and swallowing food, soil, or dust particles that contain PAHs are other routes for these chemicals to enter your body, but absorption is generally slow when PAHs are swallowed. Under normal conditions of environmental exposure, PAHs could enter your body if your skin comes into contact with soil that contains high levels of PAHs (this could occur near a hazardous waste site) or with used crankcase oil or other products (such as creosote) that contain PAHs. The rate at which PAHs enter your body by eating, drinking, or

through the skin can be influenced by the presence of other compounds that you may be exposed to at the same time with PAHs. PAHs can enter all the tissues of your body that contain fat. They tend to be stored mostly in your kidneys, liver, and fat. Smaller amounts are stored in your spleen, adrenal glands, and ovaries. PAHs are changed by all tissues in the body into many different substances. Some of these substances are more harmful and some are less harmful than the original PAHs. Results from animal studies show that PAHs do not tend to be stored in your body for a long time. Most PAHs that enter the body leave within a few days, primarily in the feces and urine.

1.5 HOW CAN PAHs AFFECT MY HEALTH?

PAHs can be harmful to your health under some circumstances. Several of the PAHs, including benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene, have caused tumors in laboratory animals when they breathed these substances in the air, when they ate them, or when they had long periods of skin contact with them. Studies of people show that individuals exposed by breathing or skin contact for long periods to mixtures that contain PAHs and other compounds can also develop cancer.

Mice fed high levels of benzo[a]pyrene during pregnancy had difficulty reproducing and so did their offspring. The offspring of pregnant mice fed benzo[a]pyrene also showed other harmful effects, such as birth defects and decreased body weight. Similar effects could occur in people, but we have no information to show that these effects do occur. Studies in animals have also shown that PAHs can cause harmful effects on skin, body fluids, and the body's system for fighting disease after both short- and long-term exposure. These effects have not been reported in people.

The Department of Health and Human Services (DHHS) has determined that benz[a]anthracene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are known animal carcinogens. The International Agency for Research on Cancer (IARC) has determined the following: benz[a]anthracene and benzo[a]pyrene are probably carcinogenic to humans; benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, and indeno[1,2,3-c,d]pyrene are possibly carcinogenic to humans; and anthracene, benzo[g,h,i]perylene, benzo[e]pyrene, chrysene, fluoranthene, fluorene, phenanthrene, and pyrene are not classifiable as to their carcinogenicity to humans. EPA has determined that benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, chrysene, dibenz[a,h]anthracene, and indeno[1,2,3-c,d]pyrene are probable human carcinogens and that acenaphthylene, anthracene, benzo[g,h,i]perylene, fluoranthene, fluorene, phenanthrene, and pyrene are not classifiable as to human carcinogenicity. Acenaphthene has not been classified for carcinogenic effects by the DHHS, IARC, or EPA.

1.6 IS THERE A MEDICAL TEST TO DETERMINE WHETHER I HAVE BEEN EXPOSED TO PAHs?

In your body, PAHs are changed into chemicals that can attach to substances within the body. The presence of PAHs attached to these substances can

then be measured in body tissues or blood after exposure to PAHs. PAHs or their metabolites can also be measured in urine, blood, or body tissues. Although these tests can show that you have been exposed to PAHs, these tests cannot be used to predict whether any health effects will occur or to determine the extent or source of your exposure to the PAHs. It is not known how effective or informative the tests are after exposure is discontinued. These tests to identify PAHs or their products are not routinely available at a doctor's office because special equipment is required to detect these chemicals.

1.7 WHAT RECOMMENDATIONS HAS THE FEDERAL GOVERNMENT MADE TO PROTECT HUMAN HEALTH?

The federal government has set regulations to protect people from the possible health effects of eating, drinking, or breathing PAHs. EPA has suggested that taking into your body each day the following amounts of individual PAHs is not likely to cause any harmful health effects: 0.3 milligrams (mg) of anthracene, 0.06 mg of acenaphthene, 0.04 mg of fluoranthene, 0.04 mg of fluorene, and 0.03 mg of pyrene per kilogram (kg) of your body weight (one kilogram is equal to 2.2 pounds). Actual exposure for most of the United States population occurs from active or passive inhalation of the compounds in tobacco smoke, wood smoke, and contaminated air, and from eating the compounds in foods. Skin contact with contaminated water, soot, tar, and soil may also occur. Estimates for total exposure in the United States population have been listed as 3 mg/day.

From what is currently known about benzo[a]pyrene, the federal government has developed regulatory standards and guidelines to protect people from the potential health effects of PAHs in drinking water. EPA has provided estimates of levels of total cancer-causing PAHs in lakes and streams associated with a risk of human cancer development. If the following amounts of individual PAHs are released to the environment within a 24-hour period, EPA must be notified: 1 pound of benzo[b]fluoranthene, benzo[a]pyrene, or dibenz[a,h]anthracene; 10 pounds of benz[a]anthracene; 100 pounds of acenaphthene, chrysene, fluoranthene, or indeno[1,2,3-c,d]pyrene; or 5,000 pounds of acenaphthylene, anthracene, benzo[k]fluoranthene, benzo[g,h,i]perylene, fluorene, phenanthrene, or pyrene.

PAHs are generally not produced commercially in the United States except as research chemicals. However, PAHs are found in coal, coal tar, and in the creosote oils, oil mists, and pitches formed from the distillation of coal tars. The National Institute for Occupational Safety and Health (NIOSH) concluded that occupational exposure to coal products can increase the risk of lung and skin cancer in workers. NIOSH established a recommended occupational exposure limit, time-weighted average (REL-TWA) for coal tar products of 0.1 milligram of PAHs per cubic meter of air (0.1 mg/m^3) for a 10-hour workday, within a 40-hour workweek. The American Conference of Governmental Industrial Hygienists (ACGIH) recommends an occupational exposure limit for coal tar products of 0.2 mg/m^3 for an 8-hour workday, within a 40-hour workweek. The Occupational Safety and Health Administration (OSHA) has

established a legally enforceable limit of 0.2 mg/m³ averaged over an 8-hour exposure period.

Mineral oil mists have been given an IARC classification of 1 (sufficient evidence of carcinogenicity). The OSHA Permissible Exposure Limit (PEL) for mineral oil mist is 5 mg/m³ averaged over an 8-hour exposure period. NIOSH has concurred with this limit, and has established a recommended occupational exposure limit (REL-TWA) for mineral oil mists of 5 mg/m³ for a 10-hour work day, 40-hour work week, with a 10 mg/m³ Short Term Exposure Limit (STEL).

1.8 WHERE CAN I GET MORE INFORMATION?

If you have any more questions or concerns, please contact your community or state health or environmental quality department or:

Agency for Toxic Substances and Disease Registry
Division of Toxicology
1600 Clifton Road NE, Mailstop F-32
Atlanta, GA 30333

Information line and technical assistance:

Phone: 888-422-8737
FAX: (770)-488-4178

ATSDR can also tell you the location of occupational and environmental health clinics. These clinics specialize in recognizing, evaluating, and treating illnesses resulting from exposure to hazardous substances.

To order toxicological profiles, contact:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Phone: 800-553-6847 or 703-605-6000

Reference

Agency for Toxic Substances and Disease Registry (ATSDR). 1995. Toxicological profile for polycyclic aromatic hydrocarbons (PAHs). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

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AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

CHLOROPHENOLS

Agency for Toxic Substances and Disease Registry ToxFAQs June 1999

This fact sheet answers the most frequently asked health questions (FAQs) about chlorophenols. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Chlorophenols are a group of compounds that are used in a number of industries and products. Exposure to high levels can cause damage to the liver and immune system. These substances have been found in at least 166 of the 1,467 National Priorities List sites identified by the Environmental Protection Agency (EPA).

What are chlorophenols?

(Pronounced klôr′ə-fĭ-nölz′)

Chlorophenols are a group of chemicals that are produced by adding chlorines to phenol. Phenol is an aromatic compound derived from benzene. There are 5 basic types of chlorophenols and 19 different chlorophenols.

Most chlorophenols are solid at room temperature. They have a strong, medicinal taste and smell. Small amounts can be tasted in water.

Some chlorophenols are used as pesticides. Others are used in antiseptics. Small amounts are produced when water is disinfected with chlorine. They are also produced while bleaching wood pulp with chlorine to make paper.

What happens to chlorophenols when they enter the environment?

- Chlorophenols can enter the environment when they are being made or used as pesticides.
- Most chlorophenols released to the environment go into water.
- Small amounts of chlorophenols enter the air.
- In the air, sunlight helps destroy these compounds and rain washes them out of the air.
- Chlorophenols stick to soil and sediments at the bottom of lakes, streams, and rivers.
- Low levels of chlorophenols in water, soil, or sediment are broken down and removed from the environment in a few days to weeks by microorganisms.

How might I be exposed to chlorophenols?

- Most people are exposed to very low levels of chlorophenols in chlorinated drinking water.
- There are some chlorophenols in city air.
- You can be exposed if you work with chlorophenols or use them as pesticides.
- You can be exposed if you make or use treated wood.

How can chlorophenols affect my health?

Workers exposed to pesticides that contain chlorophenols have developed acne and mild injury to their livers.

In laboratory studies, animals that received high levels of chlorophenols in food or water developed liver and immune system effects. They did not gain as much weight as animals not fed the compounds.

High levels of chlorophenols given to pregnant female

rats in their drinking water reduced the number of babies they had, and caused low birth weights. Chlorophenols have not been shown to cause birth defects in animals.

How likely are chlorophenols to cause cancer?

There is evidence to suggest that people exposed to chlorophenols for a long time may have slightly higher incidences of cancer. However, the people studied were exposed to other chemicals as well.

In animal studies, one chlorophenol, 2,4,6-trichlorophenol, caused leukemia in rats and liver cancer in mice. The Department of Health and Human Services (DHHS) has determined that 2,4,6-trichlorophenol may reasonably be anticipated to be a carcinogen.

How can chlorophenols affect children?

Children can be exposed in the same ways as adults; however, children may be more sensitive than adults to the effects of chlorophenol-based pesticides and herbicides. Chlorophenols leave the body quickly, so they are not likely to accumulate in the mother's tissues or breast milk.

There are no human studies on the effects of chlorophenols on developing fetuses. Studies in rats showed that chlorophenols can pass through the placenta and produce toxic effects to the developing fetuses. The most common problems are delayed hardening of the bones of the breastbone, spine, and skull.

How can families reduce the risk of exposure to chlorophenols?

Parents should keep children away from areas where chlorophenols have been used as pesticides. Always check labels on household products, and store them safely in their original containers. Never store chemicals in containers that children might find attractive to eat or drink from, such as soda bottles.

Is there a medical test to show whether I've been exposed to chlorophenols?

There is no test to show if you have been exposed to chlorophenols. There are tests for certain compounds that are produced in your body when chlorophenols break down. However, exposure to other substances could also produce the same test results.

Has the federal government made recommendations to protect human health?

EPA recommends that drinking water contain no more than 0.04 milligrams per liter (0.04 mg/L) of 2-chlorophenol for a lifetime exposure for an adult, and 0.05 mg/L for a 1-day, 10-day, or longer exposure for a child.

For 2,4-dichlorophenol, EPA recommends that drinking water contain no more than 0.03 mg/L for a 1-day, 10-day, or longer exposure for a child.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1999. Toxicological profile for chlorophenols. Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

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BARIUM AND COMPOUNDS

CAS # 7440-39-3

Division of Toxicology and Environmental Medicine ToxFAQs™ August 2007

This fact sheet answers the most frequently asked health questions (FAQs) about barium and barium compounds. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because these substances may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to barium occurs mostly in the workplace or from drinking contaminated water. Ingesting drinking water containing levels of barium above the EPA drinking water guidelines for relatively short periods of time can cause gastrointestinal disturbances and muscle weakness. Ingesting high levels for a long time can damage the kidneys. Barium and barium compounds have been found in at least 798 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is barium?

Barium is a silvery-white metal which exists in nature only in ores containing mixtures of elements. It combines with other chemicals such as sulfur or carbon and oxygen to form barium compounds.

Barium compounds are used by the oil and gas industries to make drilling muds. Drilling muds make it easier to drill through rock by keeping the drill bit lubricated. They are also used to make paint, bricks, ceramics, glass, and rubber.

Barium sulfate is sometimes used by doctors to perform medical tests and to take x-rays of the gastrointestinal tract.

What happens to barium when it enters the environment?

- Barium gets into the air during the mining, refining, and production of barium compounds, and from the burning of coal and oil.
- The length of time that barium will last in air, land, water, or sediments depends on the form of barium released.
- Barium compounds, such as barium sulfate and barium carbonate, which do not dissolve well in water, can last a long time in the environment.
- Barium compounds, such as barium chloride, barium nitrate, or barium hydroxide, that dissolve easily in water usually do not last in these forms for a long time in the environment. The barium in these compounds that is dissolved in water quickly combines with sulfate or carbonate that are naturally found in water and become the longer lasting forms (barium sulfate and barium carbonate).
- Fish and aquatic organisms can accumulate barium.

How might I be exposed to barium?

- Ingesting small amounts present in your food and water or breathing air containing very low levels of barium.
- Living in areas with unusually high natural levels of barium in the drinking water.
- Working in a job that involves barium production or use.
- Living or working near waste sites where barium has been disposed of.

How can barium affect my health?

The health effects of the different barium compounds depend on how well the compound dissolves in water or in the stomach contents. Barium compounds that do not dissolve well, such as barium sulfate, are not generally harmful.

BARIUM AND COMPOUNDS

CAS # 7440-39-3

Barium has been found to potentially cause gastrointestinal disturbances and muscular weakness when people are exposed to it at levels above the EPA drinking water standards for relatively short periods of time. Some people who eat or drink amounts of barium above background levels found in food and water for a short period may experience vomiting, abdominal cramps, diarrhea, difficulties in breathing, increased or decreased blood pressure, numbness around the face, and muscle weakness. Eating or drinking very large amounts of barium compounds that easily dissolve can cause changes in heart rhythm or paralysis and possibly death. Animals that drank barium over long periods had damage to the kidneys, decreases in body weight, and some died.

How likely is barium to cause cancer?

The Department of Health and Human Services (DHHS) and the International Agency for Research on Cancer (IARC) have not classified barium as to its carcinogenicity. The EPA has determined that barium is not likely to be carcinogenic to humans following ingestion and that there is insufficient information to determine whether it will be carcinogenic to humans following inhalation exposure.

How can barium affect children?

We do not know whether children will be more or less sensitive than adults to barium toxicity. A study in rats that swallowed barium found a decrease in newborn body weight; we do not know if a similar effect would be seen in humans.

How can families reduce the risks of exposure to barium?

The greatest potential source of barium exposure is through food and drinking water. However, the amount of barium in foods and drinking water are typically too low to be of concern.

Is there a medical test to determine whether I've been exposed to barium?

There is no routine medical test to determine whether you have been exposed to barium. Doctors can measure barium in body tissues and fluids, such as bones, blood, urine, and feces, using very complex instruments. These tests cannot be used to predict the extent of the exposure or potential health effects.

The geometric mean barium level measured in the U.S. general population aged 6 and older is reported by the Centers for Disease Control and Prevention (CDC) as 1.44 μg/g creatinine (measured in urine).

Has the federal government made recommendations to protect human health?

The EPA has set a limit of 2.0 milligrams of barium per liter of drinking water (2.0 mg/L), which is the same as 2 ppm.

The Occupational Safety and Health Administration (OSHA) has set Permissible Exposure Limits (PELs) of 0.5 milligrams of soluble barium compounds per cubic meter of workplace air (0.5 mg/m^3) for 8 hour shifts and 40 hour work weeks. The OSHA limits for barium sulfate dust are 15 mg/m^3 of total dust and 5 mg/m^3 for respirable fraction.

The National Institute for Occupational Safety and Health (NIOSH) has set Recommended Exposure Limits (RELs) of 0.5 mg/m^3 for soluble barium compounds. The NIOSH has set RELs of 10 mg/m^3 (total dust) for barium sulfate and 5 mg/m^3 (respirable fraction).

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for Barium and Compounds (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

coatings, and plastics.

What happens to cadmium when it enters the environment?

Breathing high levels of cadmium can severely damage the lungs. Eating food or drinking water with very high levels severely irritates the stomach, leading to vomiting

How can cadmium affect children?

The health effects in children are expected to be similar to the effects seen in adults (kidney, lung, and bone damage depending on the route of exposure).

A few studies in animals indicate that younger animals absorb more cadmium than adults. Animal studies also indicate that the young are more susceptible than adults to a loss of bone and decreased bone strength from exposure to cadmium.

We don't know if cadmium causes birth defects in people. The babies of animals exposed to high levels of cadmium during pregnancy had changes in behavior and learning ability. There is also some information from animal studies that high enough exposures to cadmium before birth can reduce body weights and affect the skeleton in the developing young.

How can families reduce the risks of exposure to cadmium?

❑ In the home, store substances that contain cadmium safely, and keep nickel-cadmium batteries out of reach of young children.
❑ Cadmium is a component of tobacco smoke. Avoid smoking in enclosed spaces like inside the home or car in order to limit exposure to children and other family members.
❑ If you work with cadmium, use all safety precautions to avoid carrying cadmium-containing dust home from work on your clothing, skin, hair, or tools.
❑ A balanced diet can reduce the amount of cadmium taken into the body from food and drink.

Is there a medical test to determine whether I've been exposed to cadmium?

Cadmium can be measured in blood, urine, hair, or nails. Urinary cadmium has been shown to accurately reflect the amount of cadmium in the body.

The amount of cadmium in your blood shows your recent exposure to cadmium. The amount of cadmium in your urine shows both your recent and your past exposure.

Has the federal government made recommendations to protect human health?

The EPA has determined that exposure to cadmium in drinking water at concentrations of 0.04 ppm for up to 10 days is not expected to cause any adverse effects in a child.

The EPA has determined that lifetime exposure to 0.005 ppm cadmium is not expected to cause any adverse effects.

The FDA has determined that the cadmium concentration in bottled drinking water should not exceed 0.005 ppm.

The Occupational Health and Safety Administration (OSHA) has limited workers' exposure to an average of 5 $\mu g/m^3$ for an 8-hour workday, 40-hour workweek.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2008. Toxicological Profile for Cadmium (Draft for Public Comment). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

LEAD

CAS # 7439-92-1

Division of Toxicology and Environmental Medicine ToxFAQs™ August 2007

This fact sheet answers the most frequently asked health questions (FAQs) about lead. For more information, call the ATSDR Information Center at 1-800-232-4636. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It is important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

HIGHLIGHTS: Exposure to lead can happen from breathing workplace air or dust, eating contaminated foods, or drinking contaminated water. Children can be exposed from eating lead-based paint chips or playing in contaminated soil. Lead can damage the nervous system, kidneys, and reproductive system. Lead has been found in at least 1,272 of the 1,684 National Priority List sites identified by the Environmental Protection Agency (EPA).

What is lead?

Lead is a naturally occurring bluish-gray metal found in small amounts in the earth's crust. Lead can be found in all parts of our environment. Much of it comes from human activities including burning fossil fuels, mining, and manufacturing.

Lead has many different uses. It is used in the production of batteries, ammunition, metal products (solder and pipes), and devices to shield X-rays. Because of health concerns, lead from paints and ceramic products, caulking, and pipe solder has been dramatically reduced in recent years. The use of lead as an additive to gasoline was banned in 1996 in the United States.

What happens to lead when it enters the environment?

- ❑ Lead itself does not break down, but lead compounds are changed by sunlight, air, and water.
- ❑ When lead is released to the air, it may travel long distances before settling to the ground.
- ❑ Once lead falls onto soil, it usually sticks to soil particles.
- ❑ Movement of lead from soil into groundwater will depend on the type of lead compound and the characteristics of the soil.

How might I be exposed to lead?

- ❑ Eating food or drinking water that contains lead. Water pipes in some older homes may contain lead solder. Lead can leach out into the water.
- ❑ Spending time in areas where lead-based paints have been used and are deteriorating. Deteriorating lead paint can contribute to lead dust.
- ❑ Working in a job where lead is used or engaging in certain hobbies in which lead is used, such as making stained glass.
- ❑ Using health-care products or folk remedies that contain lead.

How can lead affect my health?

The effects of lead are the same whether it enters the body through breathing or swallowing. Lead can affect almost every organ and system in your body. The main target for lead toxicity is the nervous system, both in adults and children. Long-term exposure of adults can result in decreased performance in some tests that measure functions of the nervous system. It may also cause weakness in fingers, wrists, or ankles. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys in adults or children and ultimately cause death. In pregnant women, high levels of exposure to lead may cause miscarriage. High-level exposure in men can damage the organs responsible for sperm production.

How likely is lead to cause cancer?

We have no conclusive proof that lead causes cancer in humans. Kidney tumors have developed in rats and mice that had been given large doses of some kind of lead compounds. The Department of Health and Human Services

(DHHS) has determined that lead and lead compounds are reasonably anticipated to be human carcinogens and the EPA has determined that lead is a probable human carcinogen. The International Agency for Research on Cancer (IARC) has determined that inorganic lead is probably carcinogenic to humans and that there is insufficient information to determine whether organic lead compounds will cause cancer in humans.

How can lead affect children?

Small children can be exposed by eating lead-based paint chips, chewing on objects painted with lead-based paint, or swallowing house dust or soil that contains lead.

Children are more vulnerable to lead poisoning than adults. A child who swallows large amounts of lead may develop blood anemia, severe stomachache, muscle weakness, and brain damage. If a child swallows smaller amounts of lead, much less severe effects on blood and brain function may occur. Even at much lower levels of exposure, lead can affect a child's mental and physical growth.

Exposure to lead is more dangerous for young and unborn children. Unborn children can be exposed to lead through their mothers. Harmful effects include premature births, smaller babies, decreased mental ability in the infant, learning difficulties, and reduced growth in young children. These effects are more common if the mother or baby was exposed to high levels of lead. Some of these effects may persist beyond childhood.

How can families reduce the risks of exposure to lead?

- ❑ Avoid exposure to sources of lead.
- ❑ Do not allow children to chew or mouth surfaces that may have been painted with lead-based paint.
- ❑ If you have a water lead problem, run or flush water that has been standing overnight before drinking or cooking with it.
- ❑ Some types of paints and pigments that are used as make-up or hair coloring contain lead. Keep these kinds of products away from children
- ❑ If your home contains lead-based paint or you live in an area contaminated with lead, wash children's hands and faces often to remove lead dusts and soil, and regularly clean the house of dust and tracked in soil.

Is there a medical test to determine whether I've been exposed to lead?

A blood test is available to measure the amount of lead in your blood and to estimate the amount of your recent exposure to lead. Blood tests are commonly used to screen children for lead poisoning. Lead in teeth or bones can be measured by X-ray techniques, but these methods are not widely available. Exposure to lead also can be evaluated by measuring erythrocyte protoporphyrin (EP) in blood samples. EP is a part of red blood cells known to increase when the amount of lead in the blood is high. However, the EP level is not sensitive enough to identify children with elevated blood lead levels below about 25 micrograms per deciliter (µg/dL). These tests usually require special analytical equipment that is not available in a doctor's office. However, your doctor can draw blood samples and send them to appropriate laboratories for analysis.

Has the federal government made recommendations to protect human health?

The Centers for Disease Control and Prevention (CDC) recommends that states test children at ages 1 and 2 years. Children should be tested at ages 3–6 years if they have never been tested for lead, if they receive services from public assistance programs for the poor such as Medicaid or the Supplemental Food Program for Women, Infants, and Children, if they live in a building or frequently visit a house built before 1950; if they visit a home (house or apartment) built before 1978 that has been recently remodeled; and/or if they have a brother, sister, or playmate who has had lead poisoning. CDC considers a blood lead level of 10 µg/dL to be a level of concern for children.

EPA limits lead in drinking water to 15 µg per liter.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. Toxicological Profile for lead (Update). Atlanta, GA: U.S. Department of Public Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology and Environmental Medicine, 1600 Clifton Road NE, Mailstop F-32, Atlanta, GA 30333. Phone: 1-800-232-4636, FAX: 770-488-4178. ToxFAQs Internet address via WWW is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

Mercury combines with other elements, such as chlorine, sulfur, or oxygen, to form inorganic mercury compounds or "salts," which are usually white powders or crystals. Mercury

How might I be exposed to mercury?

- ❑ Eating fish or shellfish contaminated with methylmercury.
- ❑ Breathing vapors in air from spills, incinerators, and industries that burn mercury-containing fuels.

END OF HEALTH AND SAFETY PLAN

APPENDIX C

Soil Boring Logs

REPORT

GEOTECHNICAL ENGINEERING INVESTIGATION

45 India Street
Brooklyn, New York

Prepared for:

Lubrano Ciavarra Design LLC
594 Broadway – Studio 404
New York, New York 10012

Prepared By:

Pillori Associates
71 Route 35
Laurence Harbor, New Jersey 08879

May, 2004

PILLORI ASSOCIATES, P.A
Geotechnical Engineering

71 Route 35, Laurence Harbor, NJ 08879
Tel (732) 335-0059 • Fax (732) 335-85

May 7, 2004

Lubrano Ciavarra Design LLC
594 Broadway – Studio 404
New York, New York 10012

Attn: Mr. Timothy Lock

Re: Geotechnical Report for 45 India Street
Brooklyn, New York

Gentlemen:

Presented herein is the geotechnical engineering report for the referenced project. We are confident that the subsurface information and engineering recommendations contained herein will meet the needs of the project. Thank you for the opportunity to be of service. If you have any questions or if we can be of further assistance please call.

Sincerely,

Robert Dykstra, PE

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PROPOSED CONSTRUCTION 1

GEOTECHNICAL INVESTIGATION 1

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- CELLAR FLOOR SLAB 3
- UNDERPINNING 4
- COMPACTED FILL 4
- EXISTING CONDITION SURVEY 4

LIST OF ATTACHMENTS

Boring Location Plan — Drawing No.1

Boring Logs — Boring B-1 and B-2

Soil Classification Chart

Introduction

This report presents the results of our geotechnical engineering investigation performed at 45 India Street in Brooklyn, New York. The purpose of the investigation was to identify the subsurface soil conditions in order to determine the relative soil parameters for the design and construction of new foundations.

Proposed Construction

The project site was located on the north side of India Street between West and Franklin Streets in the Greenpoint section of Brooklyn. The proposed development consists of the construction of a four-story residential building with a single level cellar. The building will be steel frame construction with masonry block bearing walls. The building will occupy a base footprint of approximately 3,000 square feet.

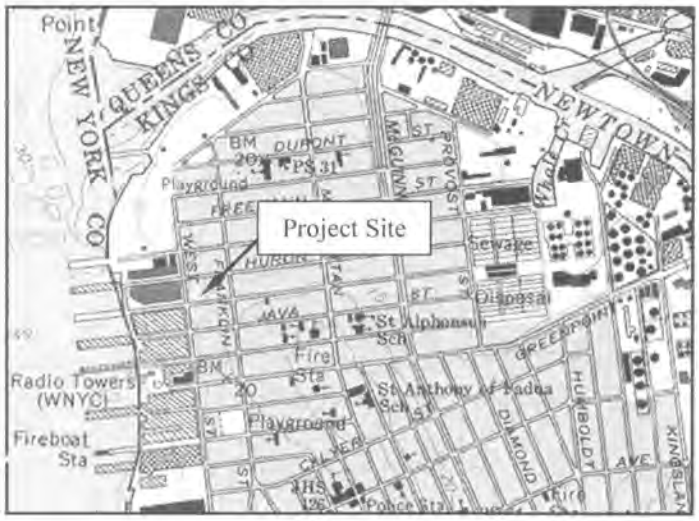


Figure 1 - Site Vicinity Map

Geotechnical Investigation

The investigation consisted of drilling two exploratory borings within the footprint of the proposed building. Warren George Inc. drilled the borings to completion depths of 42 feet using a truck mounted rotary drill rig. The investigation was conducted between the dates of March 24 and March 26, 2004. In the borings, Standard Penetration Tests (SPT) were performed at regular 5-foot intervals in accordance with procedures specified in ASTM D 1586. Soil samples obtained at the SPT locations were visually classified in accordance with the Unified Soil Classification System and the New York City Building Code.

Full-time engineering supervision was provided to locate the borings in the field, direct drilling and sampling procedures, and maintain continuous logs of the explorations. The logs recorded pertinent subsoil information for our engineering evaluation.

At the conclusion of the boring program, the boreholes were backfilled and the soil samples were delivered to our soil laboratory for re-examination and further classification. The individual sample classifications were combined according to soil group and geologic origin, and their descriptions were recorded on finalized logs. The completed boring logs, a boring location plan and a Unified Soils Classification System chart are presented on Drawing No.1, attached to this report.

Stratigraphy

In general, the subsurface soil conditions consisted of a miscellaneous fill layer overlying coarse and fine-grained glacial alluvium. Detailed descriptions of the subsurface conditions are presented on the boring logs. Generalized descriptions of each stratum are presented below in order of increasing depth.

- *Miscellaneous Fill*: A fill layer was encountered in both borings. The fill layer was 3 feet deep in both borings. The fill material consisted of silty sand mixed with brick, wood and other miscellaneous debris. The fill layer may contain demolition debris and extend to greater depths in the central portion of the site depending on earlier site development. Remnant foundations may also be present. The fill was classified as unsatisfactory bearing material, Class 11-65 in accordance with the NYCBC.

- *Glacial Alluvium*: The natural soil underlying the fill was identified as glacial alluvium, deposited during the Wisconsin Glacial Period. The deposit was stratified, containing layers of sand, gravel, and occasional layers of clayey silt. The borings were terminated in this stratum. The granular material was classified as SM or GM, Classes 6-65, 7-65 and 8-65. The fine-grained material was classified as ML, 10-65.

- *Groundwater*: Groundwater was measured at a depth of 9.5 in boring B-1 and 10 feet in boring B-2.

Engineering Evaluation

The near subsurface conditions are favorable for conventional shallow foundations bearing in the glacial alluvium; however, consideration must be given to the relatively high groundwater level recorded on the site. Our primary concerns with the conventional foundations focused on the destabilizing effect excavation below the groundwater table would have on the bearing soils beneath the new foundations and neighboring buildings. Excavation below the measured groundwater level will be difficult and will require extensive dewatering. The natural, glacial sand was very granular and contained only minor fractions of silt and clay. Accordingly, the permeability will be very high and the stability of the material, wet or dry, will be difficult to maintain during excavation. Maintaining stable soil conditions will be particularly important at the property lines, where excavation below the neighboring foundations can quickly destabilize the bearing soils.

Consequently, we recommend limiting excavation for the new foundations to 12 inches above the measured groundwater level, or approximately 9 feet below the present site elevation. This would eliminate the need for dewatering during excavation, and would ensure that any underpinning of neighboring foundations, if needed, could be performed in the dry instead of wet conditions.

If it does become necessary to excavate below the recorded groundwater, we recommend installing a well point or other substantial dewatering system prior to excavating below

the groundwater level or underpinning neighboring foundations. We recommend that all excavation below the groundwater level for new foundations or for underpinning of the neighboring structures be performed within sheeted pits constructed in such a manner as to prevent the migration of fines from the surrounding soil.

Seismic Criteria

Based on the density of the alluvium, the site was classified as category C: "Liquefaction Unlikely" in accordance with the NYCBC seismic code. Other seismic coefficients for the site were as follows: Z-factor = 0.15, S-type = S_2, and S-factor = 1.2.

Engineering Recommendations

Conventional Foundations

Conventional shallow foundations bearing in the glacial sand can be proportioned for a maximum allowable bearing pressure of 2 tons per square foot. Foundation excavations at or below the groundwater level should be sheeted and shored. Footing subgrades should be thoroughly cleaned of all mud, debris and loose material prior to the placement of concrete or crushed stone. A four-inch thick crushed stone layer should be placed over the subgrade of all footings below groundwater level to facilitate dewatering and minimize destabilization of the bearing soil. Prior to the placement of reinforcing steel, the footing subgrades should be compacted with a vibratory plate compactor to densify any soil loosened during excavation. Controlled inspection by a licensed professional engineer of all footing subgrades should be provided in order to verify the bearing capacity and effectiveness of the dewatering operations. We anticipate that settlement for footings designed and constructed in accordance with the aforementioned recommendations will be approximately 0.5 inches, and that most of the settlement will occur during the construction process.

Excavation

If excavation for the new foundations is at the level of the neighboring foundations, (and no underpinning is required) we strongly recommend that an 18 inches high berm be left in place against the neighboring foundations to protect against bearing capacity failure. Removal of the 18-inch berm can take place in thirds along the property lines, wherein the excavation should not expose more than one third of the bottom of the neighboring foundations at any one time. After the new foundations and cellar slab are poured over the first third, removal of the 18-inch berm can take place over the next third. The process would then be repeated for the final third.

Cellar Floor Slab

The cellar floor slab can be designed as a conventional slab-on-grade bearing in either compacted fill, or natural soil. We recommend that a drainage system consisting of 12 inches of ¾-inch crushed stone and 4-inch diameter, schedule 40, perforated PVC pipe be installed beneath the slab to protect against rising groundwater levels. The pipes should

be designed to convey water to enclosed sump pits, from which the water can be removed from the building. We recommend that each sump pit have at least two pumps. Maximum flow rates during flooding are expected to be about 2 to 3 cubic feet per minute over the entire building footprint. In addition, we recommend that a continuous waterproofing layer be placed between the crushed stone and the concrete slab. Also, the waterproofing layer should extend a height of two feet on the outside of the cellar walls.

Underpinning

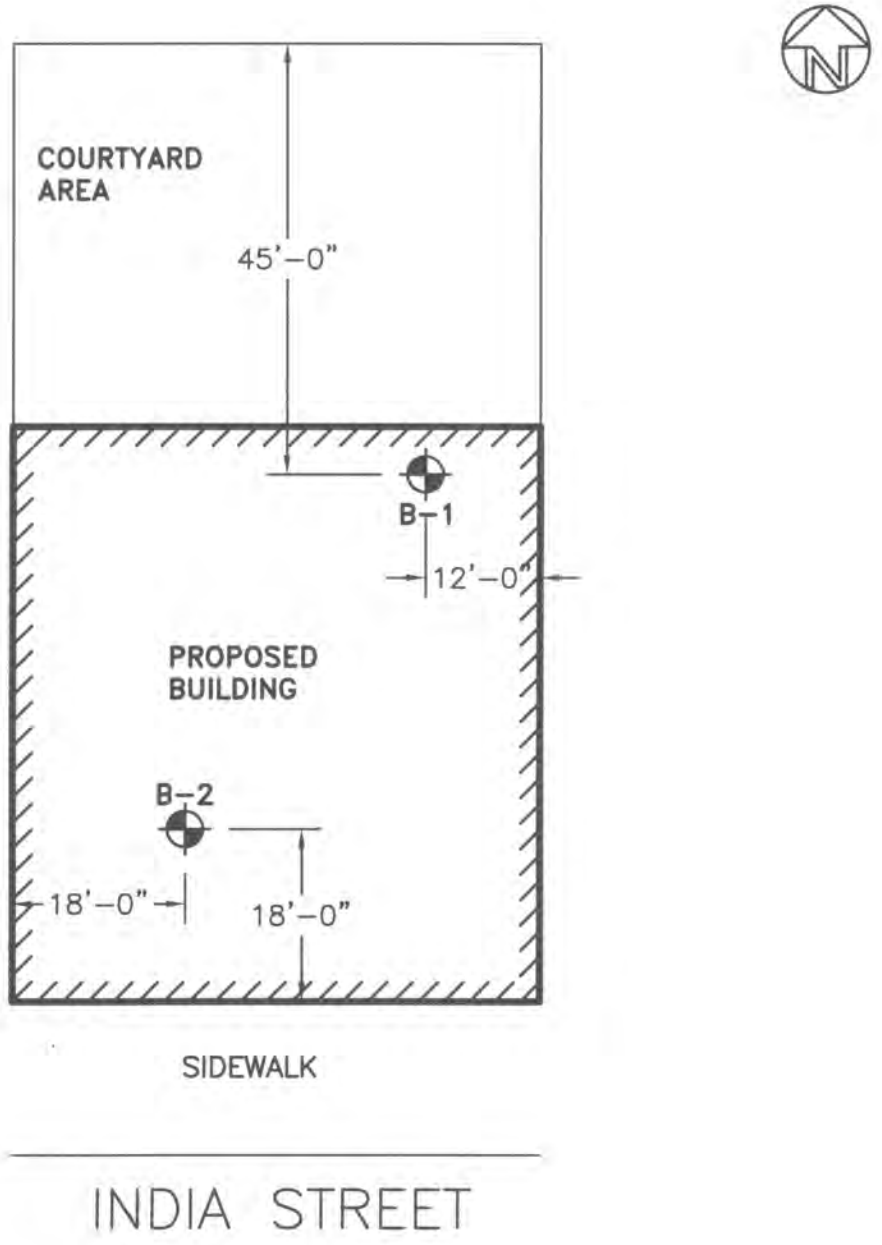
Underpinning for the neighboring foundation walls (if needed) should be performed in alternating pits, in which, every fourth pit is excavated and concreted. The final 3 inches of underpinning should be performed using steel plates and wedges, and dry pack concrete. The sequence should then be repeated until the undermined portion of the neighboring foundation is completely supported on the new concrete underpinning. The individual underpinning pits should be three feet wide and should extend to the bottom of the new footing elevations. Underpinning pits below the groundwater level should be sheeted and shored to prevent loss of ground and bearing capacity. Our office or the office of the structural engineer should review and approve the underpinning shop drawings prior to construction.

Compacted Fill

All compact fill and backfill placed beneath floor slabs, sidewalks, and used for backfilling foundation walls and utility trenches should be performed in a controlled manner using onsite fill material free of organic matter and debris. The fill material should be placed in 8–inch thick loose lifts and compacted to 95% of the maximum dry density as determined ASTM D 1557. Compaction can be performed using walk-behind-vibratory roller or "jumping jack" type compactors. Lift thickness may be increased to 12 inches for larger compaction equipment.

Existing Condition Survey

Prior to the start of excavation, an existing condition survey should be implemented to determine the existing conditions of the neighboring buildings. The survey should include visual inspection and photography of the buildings' interior and exterior surfaces. Also, a survey monitoring program should be implemented during excavation. At least two benchmark survey locations should be established on the exterior of each adjacent building. The benchmarks should be read on a daily basis throughout the excavation. Any observable movement, horizontal or vertical displacement, should immediately be brought to the attention of the construction manager and excavation should be suspended.



Legend

B1 = Boring Location

Title: BORING LOCATION PLAN		
Project: India Street Brooklyn, New York		
PILLORI ASSOCIATES, P.A. *Geotechnical Engineering* 71 Route 35, Laurence Harbor, NJ 08879	Date: 5–7–04 Job No.: 040205	Dwg No. 1

Project: **45 INDIA STREET**
Brooklyn, New York
Date: March 24-25, 2004
Contractor: Warren George Inc.

Boring No.: B-1
Sheet: 1 of 1
Ground El: NA
Groundwater Depth: 9'-6"

Depth Feet	SAMPLES Number	SAMPLES Blows / 6 inches	SOIL DESCRIPTION	Classification Depth Elevation
	S-1	11-9-7-7	FILL: Dark brown medium to fine Sand, some Silt with bricks and cinders	FILL (11-65) 3'0"
5	S-2	2-3-4-5	Brown fine Sand, some Silt	SM (8-65)
10	S-3	5-5-2-2		13'0"
15	S-4	10-12-6-7	Brown medium to fine Sand, little Silt, some coarse to fine Gravel	SM (7-65) 18'0"
20	S-5	8-9-11-15	Brown medium to fine Sand and coarse to fine Gravel, some Clayey Silt	SM-GM (6-65) 23'0"
25	S-6	7-9-9-17	Brown Clayey Silt, little coarse to fine Sand	ML (10-65) 28'0"
30	S-7	11-15-14-18	Brown medium to fine Sand, some Silt, little Clay	SM (8-65) 33'0"
35	S-8	16-58-42-55	Brown coarse to fine Sand, little Silt, some coarse to fine Gravel with seams of Clay	SM (6-65)
40	S-9	35-45-45-53		42'0"
			End of Boring	
45				
50				

Project: **45 INDIA STREET**
Brooklyn, New York
Date: March 25-26, 2004
Contractor: Warren George Inc.

Boring No.: B-2
Sheet: 1 of 1
Ground El: NA
Groundwater Depth: 10'-0"

Depth Feet	SAMPLES Number	SAMPLES Blows / 6 inches	SOIL DESCRIPTION	Classification / Depth / Elevation
	S-1	6-8-7-7	FILL: Dark brown coarse to fine Sand, some Silt, little coarse to fine Gravel with brick fragments	FILL (11-65) 3'0"
5	S-2	8-2-2-2	Brown medium to fine Sand, some Silt	SM (8-65) 8'0"
10	S-3	7-18-12-18	Brown coarse to fine Sand, little Silt, little coarse to fine Gravel	SM (7-65)
15	S-4	8-12-12-12		
20	S-5	10-17-12-9		23'0"
			Brown Silty Clay	ML (10-65) 26'0"
25	S-6	6-8-14-34	Brown coarse to fine Gravel, little coarse to fine Sand, little Silt	GM (6-65) 28'0"
30	S-7	17-17-20-20	Gray brown coarse to fine Sand, trace Silt, some coarse to fine Gravel	SW (6-65)
35	S-8	12-14-21-23		38'0"
40	S-9	15-15-18-25	Gray medium to fine Sand, some Silt, some coarse to fine Gravel with occasional Clay lenses	SM (6-65) 42'0"
			End of Boring	
45				
50				

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			GROUP SYMBOLS (ASTM D2487)	TYPICAL DESCRIPTIONS
COARSE–GRAINED SOIL MORE THAN 50% RETAINED ON NO. 200 SIEVE*	GRAVEL 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVEL	GW	WELL-GRADED GRAVEL & GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVEL & GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVEL WITH FINES	GM	SILTY GRAVEL, GRAVEL SAND CLAY MIXTURES
			GC	CLAYEY GRAVEL, GRAVEL SAND CLAY MIXTURES
	SANDS MORE THAN 50% OF COARSE FRACTON PASSES NO. 4 SIEVE	CLEAN SANDS	SW	WELL-GRADED SAND & GRAVELLY SAND, LITTLE OR NO FINES
			SP	POORLY GRADED SAND & GRAVELLY SAND, LITTLE OR NO FINES
		SAND WITH FINES	SM	SILTY SAND, SAND-SILT MIXTURES
			SC	CLAYEY SAND, SAND-CLAY MIXTURES
FINE-GRAINED SOIL 50% OR MORE PASSING NO. 200 SIEVE*	SILT & CLAY LIQUID LIMIT LESS THAN 50%		ML	INORGANIC SILT, VERY FINE SAND, ROCK FLOUR, SILTY OR CLAYEY FINE SAND
			CL	INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAY, SANDY CLAY, SILTY CLAY, LEAN CLAY
			OL	ORGANIC SILT & ORGANIC SILTY CLAY OF LOW PLASTICITY
	SILT & CLAY LIQUID LIMIT GREATER THAN 50%		MH	INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT, ELASTIC SILT
			CH	INORGANIC CLAY OF HIGH PLASTICITY, FAT CLAY
			OH	ORGANIC CLAY OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOIL			PT	PEAT, MUCK & OTHER HIGHLY ORGANIC SOIL

*BASED ON MATERIAL PASSING THE 3" (75MM) SIEVE

GRADATION**

TERM	% BY WEIGHT		
TRACE	1	TO	10
LITTLE	10	TO	20
SOME	20	TO	35
AND	35	TO	50

COMPACTNESS**
(SAND AND/OR GRAVEL)

TERM	% RELATIVE DENSITY		
LOOSE	0	TO	40
MEDIUM DENSE	41	TO	70
DENSE	71	TO	90
VERY DENSE	91	T0	100

CONSISTENCY**
(CLAY AND/OR SILT)

TERM	SHEAR STRENGTH TONS/SQ. FT.		
SOFT	LESS THAN 0.25		
FIRM	0.25	TO	0.5
STIFF	0.5	TO	1.0
VERY STIFF	1.0	TO	2.0
HARD	OVER 2.0		

**VALUES ARE FROM LABORATORY OR FIELD TEST DATA, WHERE APPLICABLE, WHEN NO TESTING WAS PERFORMED. VALUES ARE ESTIMATED.

SOIL BORING LOG

Date 3-31-2012

DESCRIPTION MW-1 0-5' / MW-1 5-11' **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. MW-1 0-5' / 5-11' **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick				0.0	
20" recovery -		-1			
0-20" – Corse Sand with Angular Gravel – Black					
		-2		0.0	
				0.0	
		-3			
		-4			
0-46" - Fine Sand and Silt - Light Brown				0.0	
46" recovery		-5			
				0.0	Wet
		-6			
				0.0	Sat
		-7			
		-8			
0-48" - Fine Sand and Silt - Light Brown				0.0	
48" recovery		-9			
				0.0	
		-10			
				0.0	
		-11			
				0.0	
		-12			
END OF BORING					
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 3-31-2012

DESCRIPTION MW-2 0-5' / MW-2 5-11' **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. MW-2 0-5' **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick				0.0	
24" recovery -		-1			
0-24" – Corse Sand with Angular Gravel – Black					
Sample collected at ~0-5' below grade		-2		0.0	
				0.0	
		-3			
				0.0	
		-4			
0-44" - Fine Sand and Silt - Light Brown				0.0	
44" recovery		-5			
					Wet
		-6		0.0	
Sample collected at ~5-11' below grade					Sat
		-7			
				0.0	
		-8			
0-48" - Fine Sand and Silt - Light Brown				0.0	
48" recovery		-9			
		-10		0.0	
		-11		0.0	
		-12			
END OF BORING					
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 3-31-2012

DESCRIPTION MW-3 0-5' / MW-3 5-11' **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. MW-3 0-5' **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick				0.0	
20" recovery -		-1			
0-20" – Corse Sand with Angular Gravel – Black					
		-2		0.0	
Sample collected at ~0-5' below grade				0.0	
		-3			
				0.0	
		-4			
0-46" - Fine Sand and Silt - Light Brown				0.0	
46" recovery		-5			
					Wet
		-6		0.0	
					Sat
		-7			
				0.0	
		-8			
0-48" - Fine Sand and Silt - Light Brown				0.0	
48" recovery		-9			
		-10		0.0	
Sample collected at ~5-11' below grade					
		-11		0.0	
		-12			
END OF BORING					
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 9-21-2012

DESCRIPTION SB-1 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-1 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick				0.0	
24" recovery -		-1			
0-24" – Corse Sand with Angular Gravel – Black					
		-2		0.0	
Sample collected at ~4.5-5' below grade				0.0	
		-3			
				0.0	
		-4			
0-44" - Fine Sand and Silt - Light Brown				0.0	
44" recovery		-5			
					Wet
		-6		0.0	
					Sat
		-7			
				0.0	
		-8			
0-48" - Fine Sand and Silt - Light Brown				0.0	
48" recovery		-9			
		-10		0.0	
		-11		0.0	
		-12			
END OF BORING					
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 9-21-2012

DESCRIPTION SB-2 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-2 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick				0.0	
24" recovery -		-1			
0-24" – Corse Sand with Angular Gravel – Black					
		-2		0.0	
Sample collected at ~4.5-5' below grade				0.0	
		-3			
				0.0	
		-4			
0-44" - Fine Sand and Silt - Light Brown				0.0	
44" recovery		-5			
					Wet
		-6		0.0	
					Sat
		-7			
				0.0	
		-8			
0-48" - Fine Sand and Silt - Light Brown				0.0	
48" recovery		-9			
		-10		0.0	
		-11		0.0	
		-12			
END OF BORING					
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 9-21-2012

DESCRIPTION SB-3 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-3 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick					
24" recovery -		-1		0.0	
0-6" – Corse Sand with Angular Gravel – Black					
0-24" – Corse Sand Brick and Angular Gravel – Red/Brown		-2		0.0	
		-3		0.0	
		-4			
48" recovery				0.0	
0-12" – Sand and Silt / Red Brick Fragments – Brown		-5			
12-36" Fine Sand and Silt - Light Brown				0.0	Wet
Sample Collected 5.5-6' – Saturated at 6'		-6			
				0.0	Sat
		-7			
				0.0	
		-8			
END OF BORING					
		-9			
		-10			
		-11			
		-12			
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 9-21-2012

DESCRIPTION SB-4 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-4 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick					
20" recovery -		-1		0.0	
0-12" – Corse Sand with Angular Gravel – Black					
12-20" – Corse Sand Brick and Angular Gravel – Red/Brown		-2		0.0	
		-3		0.0	
		-4			
48" recovery				0.0	
0-12" – Sand and Silt – Black / Brown		-5			
12-36" Fine Sand and Silt - Light Brown				0.0	Wet
Sample Collected 5.5-6' – Saturated at 6'		-6			
				0.0	Sat
		-7			
				0.0	
		-8			
END OF BORING					
		-9			
		-10			
		-11			
		-12			
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 9-21-2012

DESCRIPTION SB-5 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-5 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter 6' (ft.)					
Upon Completion NA (ft.) Dry					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick					
30" recovery -		-1		0.0	
0-6" – Corse Sand with Angular Gravel – Black					
0-30" – Corse Sand / Red Brick and Angular Gravel – Red/Brown		-2		0.0	
		-3		0.0	
		-4			
48" recovery				0.0	
0-12" – Sand and Silt – Brown		-5			
12-36" Fine Sand and Silt - Light Brown				0.0	Wet
Sample Collected 5.5-6' – Saturated at 6'		-6			
				0.0	Sat
		-7			
				0.0	
		-8			
END OF BORING					
		-9			
		-10			
		-11			
		-12			
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 11-14-2012

DESCRIPTION SB-6 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-6 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
	Weathered Asphalt - 2" Thick			0.0	
24" recovery -		-1			
	0-24" – Corse Sand with Angular Gravel – Black				
		-2		0.0	
	Sample collected at ~0-2' below grade			0.0	
		-3			
				0.0	
		-4			
	0-44" - Fine Sand and Silt - Light Brown			0.0	
44" recovery		-5			
					Wet
	Sample collected at ~5-7' below grade	-6		0.0	
					Sat
		-7			
				0.0	
		-8			
48" recovery				0.0	
	0-48" - Fine Sand and Silt - Light Brown	-9			
		-10		0.0	
		-11		0.0	
		-12			
	END OF BORING				
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 11-14-2012

DESCRIPTION SB-7 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-7 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick					
24" recovery -		-1		0.0	
0-6" – Corse Sand with Angular Gravel – Black					
0-24" – Corse Sand Brick and Angular Gravel – Red/Brown		-2		0.0	
Sample collected at ~0-2' below grade		-3		0.0	
		-4			
48" recovery				0.0	
0-12" – Sand and Silt / Red Brick Fragments – Brown		-5			
12-36" Fine Sand and Silt - Light Brown				0.0	Wet
Sample collected at ~5-7' below grade		-6			
				0.0	Sat
		-7			
				0.0	
		-8			
48" recovery					
0-48" Fine Sand and Silt - Light Brown		-9			
		-10			
		-11			
		-12			
END OF BORING					
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

SOIL BORING LOG

Date 11-14-2012

DESCRIPTION SB-8 **LOGGED BY** PCM

LOCATION 45 India Street, Brooklyn, New York

BORING NO. SB-8 **DRILLING METHOD** GeoProbe **HAMMER TYPE** NA

Surface Water Elev. NA (ft.)	Notes	Depth	Density	PID	Moisture
Groundwater Elev.					
First Encounter NA (ft.)					
Upon Completion (ft.)					
After ____ Hrs. ____ (ft.)					
SOIL DESCRIPTION		(ft.)	(blows)	(ppm)	(%)
Weathered Asphalt - 2" Thick					
20" recovery -		-1		0.0	
0-12" – Corse Sand with Angular Gravel – Black					
12-20" – Corse Sand Brick and Angular Gravel – Red/Brown		-2		0.0	
Sample collected at ~0-2' below grade		-3		0.0	
		-4			
48" recovery				0.0	
0-12" – Sand and Silt – Black / Brown		-5			
12-48" Fine Sand and Silt - Light Brown				0.0	Wet
Sample Collected 5.5-6' – Saturated at 6'		-6			
				0.0	Sat
		-7			
				0.0	
		-8			
48" recovery					
0-48" Fine Sand and Silt - Light Brown		-9			
		-10			
Sample collected at ~10-12' below grade		-11			
		-12			
		-13			
		-14			
		-15			
		-16			
		-17			
		-18			
		-19			
		-20			

APPENDIX D

Groundwater Sampling and Well Purging Logs

APPENDIX E

Soil Vapor Sample Logs

Soil Gas Sampling Log

Landmark Consultants Corporation
528 Leonard Street
Brooklyn, New York 11222
(718) 349-0352

Project Location: 45 India Street, Brooklyn, New York **Sampled By:** DR

Date: 7/31/2012

Sampling Method: Stainless Steel Soil Vapor Implant

Installation Method: GeoProbe

Depth of Soil Gas Sample: Stainless Steel Soil Vapor Implant

Vapor Seal: Bentonite

Interval of Seal: 0-3'

Depth of Sample: 4-4.5'

Purging Device: PID

Time Started: 14:34p

Time Stopped: 14:35p

Volume Purged: 1 **liters**

Flow Rate: 1 **l/min**

Sample ID: SS#1

Canister ID: 491

Flow Controller ID: 4993

Sample Collection Device: Summa Canister

Sample Volume: 6.0 L

Regulator Setting: 30 mL/min

Analysis Performed: TO15

Laboratory Sample (Summa Canister)

Time Started: 14:45 **Time Stopped:** 15:45

Vacuum: -29.5 inHg **Vacuum:** -5 inHg

Field Screening Sample

PID Calibration: 100 **ppm isobutylene**

PID Reading 3 **ppm**

Soil Gas Sampling Log

Landmark Consultants Corporation
528 Leonard Street
Brooklyn, New York 11222
(718) 349-0352

Project Location: 45 India Street, Brooklyn, New York **Sampled By:** DR

Date: 7/31/2012

Sampling Method: Stainless Steel Soil Vapor Implant

Installation Method: GeoProbe

Depth of Soil Gas Sample: Stainless Steel Soil Vapor Implant

Vapor Seal: Bentonite

Interval of Seal: 0-3'

Depth of Sample: 4-4.5'

Purging Device: PID

Time Started: 14:36p

Time Stopped: 14:37p

Volume Purged: 1 **liters**

Flow Rate: 1 **l/min**

Sample ID: SS#2

Canister ID: 461

Flow Controller ID: 5025

Sample Collection Device: Summa Canister

Sample Volume: 6.0 L

Regulator Setting: 30 mL/min

Analysis Performed: TO15

Laboratory Sample (Summa Canister)

Time Started: 14:40 **Time Stopped:** 15:40

Vacuum: -29.5 inHg **Vacuum:** -6 inHg

Field Screening Sample

PID Calibration: 100 **ppm isobutylene**

PID Reading 5 **ppm**

Soil Gas Sampling Log

Landmark Consultants Corporation
528 Leonard Street
Brooklyn, New York 11222
(718) 349-0352

Project Location: 45 India Street, Brooklyn, New York **Sampled By:** DR

Date: 7/31/2012

Sampling Method: Stainless Steel Soil Vapor Implant

Installation Method: GeoProbe

Depth of Soil Gas Sample: Stainless Steel Soil Vapor Implant

Vapor Seal: Bentonite

Interval of Seal: 0-3'

Depth of Sample: 4-4.5'

Purging Device: PID

Time Started: 14:38p

Time Stopped: 14:39p

Volume Purged: 1 **liters**

Flow Rate: 1 **l/min**

Sample ID: SS#3

Canister ID: 484

Flow Controller ID: 5039

Sample Collection Device: Summa Canister

Sample Volume: 6.0 L

Regulator Setting: 30 mL/min

Analysis Performed: TO15

Laboratory Sample (Summa Canister)

Time Started: 14:44 **Time Stopped:** 15:44

Vacuum: -29.5 inHg **Vacuum:** -7 inHg

Field Screening Sample

PID Calibration: 100 **ppm isobutylene**

Time Started: 14:44

Time Stopped: 14:45

PID Reading 6 **ppm**

Soil Gas Sampling Log

Landmark Consultants Corporation
528 Leonard Street
Brooklyn, New York 11222
(718) 349-0352

Project Location: 45 India Street, Brooklyn, New York **Sampled By:** PCM

Date: 11/15/2012

Sampling Method: Stainless Steel Soil Vapor Implant

Installation Method: GeoProbe

Depth of Soil Gas Sample: Stainless Steel Soil Vapor Implant

Vapor Seal: Bentonite

Interval of Seal: 0-3'

Depth of Sample: 4-4.5'

Purging Device: PID

Time Started: 12:34p

Time Stopped: 12:35p

Volume Purged: 1 **liters**

Flow Rate: 1 **l/min**

Sample ID: SV#1

Canister ID: HD2291

Flow Controller ID: 3639

Sample Collection Device: Summa Canister

Sample Volume: 1.4 L

Regulator Setting: 9.8 mL/min

Sample Collection Device: Summa Canister

Laboratory Sample (Summa Canister)

Time Started: 13:37 **Time Stopped:** 14:32

Vacuum: -28.7 inHg **Vacuum:** -0 inHg

Field Screening Sample

PID Calibration: 100 **ppm isobutylene**

PID Reading 8 **ppm**

Soil Gas Sampling Log

Landmark Consultants Corporation
528 Leonard Street
Brooklyn, New York 11222
(718) 349-0352

Project Location: 45 India Street, Brooklyn, New York **Sampled By:** PCM

Date: 11/15/2012

Sampling Method: Stainless Steel Soil Vapor Implant

Installation Method: GeoProbe

Depth of Soil Gas Sample: Stainless Steel Soil Vapor Implant

Vapor Seal: Bentonite

Interval of Seal: 0-3'

Depth of Sample: 4-4.5'

Purging Device: PID

Time Started: 12:45p

Time Stopped: 12:46p

Volume Purged: 1 **liters**

Flow Rate: 1 **l/min**

Sample ID: SV#2

Canister ID: HD2180

Flow Controller ID: 3698

Sample Collection Device: Summa Canister

Sample Volume: 1.4 L

Regulator Setting: 10.1 mL/min

Sample Collection Device: Summa Canister

Laboratory Sample (Summa Canister)

Time Started: 12:55 **Time Stopped:** 15:01

Vacuum: -30.2 inHg **Vacuum:** -3 inHg

Field Screening Sample

PID Calibration: 100 **ppm isobutylene**

PID Reading 5 **ppm**

APPENDIX F

Laboratory Data Deliverables

PHOENIX
Environmental Laboratories, Inc.

Monday, April 16, 2012

Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Project ID: 45 INDIA ST., BROOKLYN
Sample ID#s: BB69528 - BB69539

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	11:30
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69528

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #1 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	04/10/12		PS	6010
Arsenic	4.41	0.78	mg/Kg	04/10/12		PS	6010
Barium	2440	3.9	mg/Kg	04/11/12		EK	6010
Beryllium	< 0.31	0.31	mg/Kg	04/10/12		PS	6010
Cadmium	0.63	0.39	mg/Kg	04/10/12		PS	6010
Chromium	18.7	0.39	mg/Kg	04/10/12		PS	6010
Copper	34.2	0.39	mg/kg	04/10/12		PS	6010
Mercury	1.16	0.09	mg/Kg	04/10/12		RS	SW-7471
Manganese	218	0.39	mg/Kg	04/10/12		PS	6010
Nickel	11.2	0.39	mg/Kg	04/10/12		PS	6010
Lead	1560	39	mg/Kg	04/12/12		LK	6010
Selenium	< 1.6	1.6	mg/Kg	04/10/12		PS	6010
TCLP Silver	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Arsenic	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Barium	1.50	0.10	mg/L	04/10/12		EK	6010
TCLP Cadmium	< 0.050	0.050	mg/L	04/10/12		EK	6010
TCLP Chromium	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Mercury	0.0010	0.0002	mg/L	04/10/12		RS	SW7470
TCLP Lead	14.9	1.0	mg/L	04/11/12		EK	6010
TCLP Selenium	< 0.10	0.10	mg/L	04/10/12		EK	6010
Total Metals Digest	Completed			04/09/12		AG	SW846 - 3050
TCLP Metals Digestion	Completed			04/10/12		X/X	SW3005
Trivalent Chromium	18.7	0.50	mg/kg	04/11/12		CL	6010
Zinc	1220	3.9	mg/Kg	04/11/12		EK	6010
Percent Solid	85		%	04/09/12		JL	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	04/11/12	12:32	CL	SW3060/7196
Total Cyanide	0.98	0.59	mg/Kg	04/09/12		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			04/09/12		BB	SW3545

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69528

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Soil Extraction for Pesticide	Completed			04/09/12		BB/F	SW3545	
Soil Extraction for SVOA	Completed			04/09/12		BB/RF	SW3545	
Mercury Digestion	Completed			04/10/12		X/X	SW7471	
Soil Extraction for Herbicide	Completed			04/10/12		M/K	SW8151	
TCLP Digestion Mercury	Completed			04/10/12		X/X	E1311/7470	
TCLP Extraction for Metals	Completed			04/09/12		X	EPA 1311	
Chlorinated Herbicides								
2,4,5-T	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4,5-TP (Silvex)	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4-D	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4-DB	ND	480	ug/Kg	04/11/12		JRB	SW8151	
Dalapon	ND	48	ug/Kg	04/11/12		JRB	SW8151	
Dicamba	ND	97	ug/Kg	04/11/12		JRB	SW8151	
Dichloroprop	ND	48	ug/Kg	04/11/12		JRB	SW8151	
Dinoseb	ND	97	ug/Kg	04/11/12		JRB	SW8151	
QA/QC Surrogates								
% DCAA	74		%	04/11/12		JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1221	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1232	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1242	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1248	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1254	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1260	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1262	ND	78	ug/Kg	04/10/12		MH	SW 8082	
PCB-1268	ND	78	ug/Kg	04/10/12		MH	SW 8082	
QA/QC Surrogates								
% DCBP	70		%	04/10/12		MH	30 - 150 %	
% TCMX	42		%	04/10/12		MH	30 - 150 %	
Pesticides								
4,4' -DDD	9.2	3.1	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDE	59	16	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDT	250	16	ug/Kg	04/11/12		MR	SW8081	
a-BHC	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Alachlor	ND	3.7	ug/Kg	04/11/12		MR	SW8081	1
Aldrin	ND	1.2	ug/Kg	04/11/12		MR	SW8081	
b-BHC	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Chlordane	71	12	ug/Kg	04/11/12		MR	SW8081	
d-BHC	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Dieldrin	8.5	5.8	ug/Kg	04/11/12		MR	SW8081	
Endosulfan I	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Endosulfan II	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endosulfan sulfate	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endrin	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endrin aldehyde	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endrin ketone	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
g-BHC	ND	1.2	ug/Kg	04/11/12		MR	SW8081	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69528

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Heptachlor	ND	2.3	ug/Kg	04/11/12		MR	SW8081	
Heptachlor epoxide	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Methoxychlor	ND	37	ug/Kg	04/11/12		MR	SW8081	
Toxaphene	ND	37	ug/Kg	04/11/12		MR	SW8081	
QA/QC Surrogates								
% DCBP	65		%	04/11/12		MR	30 - 150 %	
% TCMX	65		%	04/11/12		MR	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
2-Chlorotoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acetone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Benzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromochloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromodichloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromoform	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromomethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Carbon Disulfide	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Carbon tetrachloride	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chloroform	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Dibromochloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69528

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Dibromoethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	LO
Dibromomethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Ethylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
m&p-Xylene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Methylene chloride	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Naphthalene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
n-Butylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
n-Propylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
o-Xylene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
sec-Butylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Styrene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
tert-Butylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Tetrachloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/09/12		H/J	SW8260	1
Toluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Total Xylenes	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Trichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Vinyl chloride	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	90		%	04/09/12		H/J	70 - 130 %	
% Dibromofluoromethane	106		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	100		%	04/09/12		H/J	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	100	ug/kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	105		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	107		%	04/09/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69528

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
2,4-Dimethylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrophenol	ND	620	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylnaphthalene	370	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	04/10/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	390	ug/Kg	04/10/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthene	1200	270	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acetophenone	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Aniline	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Anthracene	3300	270	ug/Kg	04/10/12		DD	SW 8270	
Azobenzene	ND	390	ug/Kg	04/10/12		DD	SW 8270	1
Benz(a)anthracene	6500	270	ug/Kg	04/10/12		DD	SW 8270	
Benzidine	ND	460	ug/Kg	04/10/12		DD	SW 8270	
Benzo(a)pyrene	5300	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(b)fluoranthene	7100	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(ghi)perylene	1900	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(k)fluoranthene	2100	270	ug/Kg	04/10/12		DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Carbazole	3400	580	ug/Kg	04/10/12		DD	SW 8270	
Chrysene	5400	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenz(a,h)anthracene	530	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenzofuran	830	270	ug/Kg	04/10/12		DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Fluoranthene	16000	270	ug/Kg	04/10/12		DD	SW 8270	
Fluorene	1300	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69528

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	04/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	1900	270	ug/Kg	04/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	04/10/12		DD	SW 8270
Naphthalene	840	270	ug/Kg	04/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	390	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	390	ug/Kg	04/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	390	ug/Kg	04/10/12		DD	SW 8270
Pentachlorophenol	ND	390	ug/Kg	04/10/12		DD	SW 8270
Phenanthrene	14000	270	ug/Kg	04/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	04/10/12		DD	SW 8270
Pyrene	13000	270	ug/Kg	04/10/12		DD	SW 8270
Pyridine	ND	390	ug/Kg	04/10/12		DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	127		%	04/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	80		%	04/10/12		DD	15 - 130 %
% 2-Fluorophenol	85		%	04/10/12		DD	15 - 130 %
% Nitrobenzene-d5	90		%	04/10/12		DD	15 - 130 %
% Phenol-d5	85		%	04/10/12		DD	15 - 130 %
% Terphenyl-d14	108		%	04/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	11:45
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69529

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #1 5-11 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	04/10/12		PS	6010
Arsenic	2.03	0.83	mg/Kg	04/10/12		PS	6010
Barium	1070	0.42	mg/Kg	04/10/12		PS	6010
Beryllium	< 0.33	0.33	mg/Kg	04/10/12		PS	6010
Cadmium	< 0.42	0.42	mg/Kg	04/10/12		PS	6010
Chromium	14.3	0.42	mg/Kg	04/10/12		PS	6010
Copper	16.8	0.42	mg/kg	04/10/12		PS	6010
Mercury	0.69	0.07	mg/Kg	04/10/12		RS	SW-7471
Manganese	272	4.2	mg/Kg	04/11/12		EK	6010
Nickel	11.8	0.42	mg/Kg	04/10/12		PS	6010
Lead	767	4.2	mg/Kg	04/11/12		EK	6010
Selenium	< 1.7	1.7	mg/Kg	04/10/12		PS	6010
TCLP Silver	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Arsenic	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Barium	0.73	0.10	mg/L	04/10/12		EK	6010
TCLP Cadmium	< 0.050	0.050	mg/L	04/10/12		EK	6010
TCLP Chromium	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Mercury	< 0.0002	0.0002	mg/L	04/10/12		RS	SW7470
TCLP Lead	20.7	0.10	mg/L	04/10/12		EK	6010
TCLP Selenium	< 0.10	0.10	mg/L	04/10/12		EK	6010
Total Metals Digest	Completed			04/09/12		AG	SW846 - 3050
TCLP Metals Digestion	Completed			04/10/12		X/X	SW3005
Trivalent Chromium	14.3	0.50	mg/kg	04/11/12		CL	6010
Zinc	319	4.2	mg/Kg	04/11/12		EK	6010
Percent Solid	86		%	04/09/12		JL	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	04/11/12	12:32	CL	SW3060/7196
Total Cyanide	< 0.53	0.53	mg/Kg	04/09/12		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			04/09/12		BB	SW3545

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 5-11 FT

Phoenix I.D.: BB69529

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Soil Extraction for Pesticide	Completed			04/09/12		BB/F	SW3545	
Soil Extraction for SVOA	Completed			04/09/12		BB/RF	SW3545	
Mercury Digestion	Completed			04/10/12		X/X	SW7471	
Soil Extraction for Herbicide	Completed			04/10/12		M/K	SW8151	
TCLP Digestion Mercury	Completed			04/10/12		X/X	E1311/7470	
TCLP Extraction for Metals	Completed			04/09/12		X	EPA 1311	
Chlorinated Herbicides								
2,4,5-T	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4,5-TP (Silvex)	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4-D	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4-DB	ND	480	ug/Kg	04/11/12		JRB	SW8151	
Dalapon	ND	48	ug/Kg	04/11/12		JRB	SW8151	
Dicamba	ND	96	ug/Kg	04/11/12		JRB	SW8151	
Dichloroprop	ND	48	ug/Kg	04/11/12		JRB	SW8151	
Dinoseb	ND	96	ug/Kg	04/11/12		JRB	SW8151	
QA/QC Surrogates								
% DCAA	70		%	04/11/12		JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1221	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1232	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1242	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1248	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1254	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1260	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1262	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1268	ND	76	ug/Kg	04/10/12		MH	SW 8082	
QA/QC Surrogates								
% DCBP	52		%	04/10/12		MH	30 - 150 %	
% TCMX	47		%	04/10/12		MH	30 - 150 %	
Pesticides								
4,4' -DDD	6.0	3.0	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDE	26	3.0	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDT	150	15	ug/Kg	04/11/12		MR	SW8081	
a-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Alachlor	ND	3.6	ug/Kg	04/11/12		MR	SW8081	1
Aldrin	ND	1.1	ug/Kg	04/11/12		MR	SW8081	
b-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Chlordane	51	11	ug/Kg	04/11/12		MR	SW8081	
d-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Dieldrin	5.2	1.1	ug/Kg	04/11/12		MR	SW8081	
Endosulfan I	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Endosulfan II	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endosulfan sulfate	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin aldehyde	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin ketone	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
g-BHC	ND	1.1	ug/Kg	04/11/12		MR	SW8081	

Project ID: 45 INDIA ST., BROOKLYN
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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Heptachlor	ND	2.3	ug/Kg	04/11/12		MR	SW8081	
Heptachlor epoxide	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Methoxychlor	ND	36	ug/Kg	04/11/12		MR	SW8081	
Toxaphene	ND	36	ug/Kg	04/11/12		MR	SW8081	
QA/QC Surrogates								
% DCBP	80		%	04/11/12		MR	30 - 150 %	
% TCMX	75		%	04/11/12		MR	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acetone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Benzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromoform	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chloroform	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Dibromochloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	

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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Dibromoethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	LO
Dibromomethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Styrene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/09/12		H/J	SW8260	1
Toluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	97		%	04/09/12		H/J	70 - 130 %	
% Dibromofluoromethane	93		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	97		%	04/09/12		H/J	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	100	ug/kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	113		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	102		%	04/09/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	

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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
2,4-Dimethylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrophenol	ND	620	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylnaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	04/10/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	390	ug/Kg	04/10/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acetophenone	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Aniline	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Anthracene	390	270	ug/Kg	04/10/12		DD	SW 8270	
Azobenzene	ND	390	ug/Kg	04/10/12		DD	SW 8270	1
Benz(a)anthracene	1000	270	ug/Kg	04/10/12		DD	SW 8270	
Benzidine	ND	460	ug/Kg	04/10/12		DD	SW 8270	
Benzo(a)pyrene	810	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(b)fluoranthene	1100	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(ghi)perylene	380	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(k)fluoranthene	340	270	ug/Kg	04/10/12		DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Carbazole	ND	580	ug/Kg	04/10/12		DD	SW 8270	
Chrysene	790	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Fluoranthene	2300	270	ug/Kg	04/10/12		DD	SW 8270	
Fluorene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 5-11 FT

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Parameter	Result	RL	Units ^	Date	Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	04/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	320	270	ug/Kg	04/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	04/10/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	390	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	390	ug/Kg	04/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	390	ug/Kg	04/10/12		DD	SW 8270
Pentachlorophenol	ND	390	ug/Kg	04/10/12		DD	SW 8270
Phenanthrene	1700	270	ug/Kg	04/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	04/10/12		DD	SW 8270
Pyrene	1900	270	ug/Kg	04/10/12		DD	SW 8270
Pyridine	ND	390	ug/Kg	04/10/12		DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	124		%	04/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	83		%	04/10/12		DD	15 - 130 %
% 2-Fluorophenol	86		%	04/10/12		DD	15 - 130 %
% Nitrobenzene-d5	92		%	04/10/12		DD	15 - 130 %
% Phenol-d5	88		%	04/10/12		DD	15 - 130 %
% Terphenyl-d14	114		%	04/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	11:32
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69530

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #1 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Percent Solid	86		%	04/09/12		JL	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/10/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/10/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69530

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Acetone	ND	29	ug/Kg	04/10/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/10/12		H/J	SW8260	
Benzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromoform	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chloroform	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Dibromochloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Dibromoethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	LO
Dibromomethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/10/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/10/12		H/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Styrene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/10/12		H/J	SW8260	1
Toluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/10/12		H/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93		%	04/10/12		H/J	70 - 130 %	
% Bromofluorobenzene	92		%	04/10/12		H/J	70 - 130 %	
% Dibromofluoromethane	94		%	04/10/12		H/J	70 - 130 %	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 0-5 FT

Phoenix I.D.: BB69530

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Toluene-d8	94		%	04/10/12		H/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	11:47
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69531

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #1 5-11 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Percent Solid	86		%	04/09/12		JL	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/10/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/10/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 5-11 FT

Phoenix I.D.: BB69531

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Acetone	ND	29	ug/Kg	04/10/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/10/12		H/J	SW8260	
Benzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromoform	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chloroform	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Dibromochloromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Dibromoethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	LO
Dibromomethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/10/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/10/12		H/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Styrene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/10/12		H/J	SW8260	1
Toluene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/10/12		H/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	04/10/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	92		%	04/10/12		H/J	70 - 130 %	
% Bromofluorobenzene	97		%	04/10/12		H/J	70 - 130 %	
% Dibromofluoromethane	109		%	04/10/12		H/J	70 - 130 %	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #1 5-11 FT

Phoenix I.D.: BB69531

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Toluene-d8	103		%	04/10/12		H/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
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1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	14:45
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69532

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #2 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	04/10/12		PS	6010
Arsenic	4.11	0.81	mg/Kg	04/10/12		PS	6010
Barium	159	0.40	mg/Kg	04/10/12		PS	6010
Beryllium	< 0.40	0.40	mg/Kg	04/10/12		PS	6010
Cadmium	< 0.40	0.40	mg/Kg	04/10/12		PS	6010
Chromium	16.0	0.40	mg/Kg	04/10/12		PS	6010
Copper	37.0	0.40	mg/kg	04/10/12		PS	6010
Mercury	1.00	0.08	mg/Kg	04/10/12		RS	SW-7471
Manganese	313	4.0	mg/Kg	04/11/12		EK	6010
Nickel	17.4	0.40	mg/Kg	04/10/12		PS	6010
Lead	335	4.0	mg/Kg	04/11/12		EK	6010
Selenium	< 1.6	1.6	mg/Kg	04/10/12		PS	6010
TCLP Silver	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Arsenic	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Barium	0.99	0.10	mg/L	04/10/12		EK	6010
TCLP Cadmium	< 0.050	0.050	mg/L	04/10/12		EK	6010
TCLP Chromium	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Mercury	< 0.0002	0.0002	mg/L	04/10/12		RS	SW7470
TCLP Lead	4.94	0.10	mg/L	04/10/12		EK	6010
TCLP Selenium	< 0.10	0.10	mg/L	04/10/12		EK	6010
Total Metals Digest	Completed			04/09/12		AG	SW846 - 3050
TCLP Metals Digestion	Completed			04/10/12		X/X	SW3005
Trivalent Chromium	16.0	0.50	mg/kg	04/11/12		CL	6010
Zinc	199	0.40	mg/Kg	04/10/12		PS	6010
Percent Solid	86		%	04/09/12		JL	E160.3
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	04/11/12	12:32	CL	SW3060/7196
Total Cyanide	< 0.58	0.58	mg/Kg	04/09/12		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			04/09/12		BB	SW3545

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69532

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Soil Extraction for Pesticide	Completed			04/09/12		BB/F	SW3545	
Soil Extraction for SVOA	Completed			04/09/12		BB/RF	SW3545	
Mercury Digestion	Completed			04/10/12		X/X	SW7471	
Soil Extraction for Herbicide	Completed			04/10/12		M/K	SW8151	
TCLP Digestion Mercury	Completed			04/10/12		X/X	E1311/7470	
TCLP Extraction for Metals	Completed			04/09/12		X	EPA 1311	
Chlorinated Herbicides								
2,4,5-T	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4,5-TP (Silvex)	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4-D	ND	48	ug/Kg	04/11/12		JRB	SW8151	
2,4-DB	ND	480	ug/Kg	04/11/12		JRB	SW8151	
Dalapon	ND	48	ug/Kg	04/11/12		JRB	SW8151	
Dicamba	ND	97	ug/Kg	04/11/12		JRB	SW8151	
Dichloroprop	ND	48	ug/Kg	04/11/12		JRB	SW8151	
Dinoseb	ND	97	ug/Kg	04/11/12		JRB	SW8151	
QA/QC Surrogates								
% DCAA	62		%	04/11/12		JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1221	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1232	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1242	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1248	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1254	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1260	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1262	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1268	ND	76	ug/Kg	04/10/12		MH	SW 8082	
QA/QC Surrogates								
% DCBP	60		%	04/10/12		MH	30 - 150 %	
% TCMX	66		%	04/10/12		MH	30 - 150 %	
Pesticides								
4,4' -DDD	4.5	3.0	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDE	4.4	3.0	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDT	6.8	3.0	ug/Kg	04/11/12		MR	SW8081	
a-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Alachlor	ND	3.6	ug/Kg	04/11/12		MR	SW8081	1
Aldrin	ND	1.1	ug/Kg	04/11/12		MR	SW8081	
b-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Chlordane	ND	11	ug/Kg	04/11/12		MR	SW8081	
d-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Dieldrin	ND	1.1	ug/Kg	04/11/12		MR	SW8081	
Endosulfan I	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Endosulfan II	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endosulfan sulfate	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin aldehyde	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin ketone	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
g-BHC	ND	1.1	ug/Kg	04/11/12		MR	SW8081	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69532

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Heptachlor	ND	2.3	ug/Kg	04/11/12		MR	SW8081	
Heptachlor epoxide	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Methoxychlor	ND	36	ug/Kg	04/11/12		MR	SW8081	
Toxaphene	ND	36	ug/Kg	04/11/12		MR	SW8081	
QA/QC Surrogates								
% DCBP	67		%	04/11/12		MR	30 - 150 %	
% TCMX	69		%	04/11/12		MR	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acetone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Benzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromoform	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chloroform	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Dibromochloromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69532

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Dibromoethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	LO
Dibromomethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Styrene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/09/12		H/J	SW8260	1
Toluene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	89		%	04/09/12		H/J	70 - 130 %	
% Dibromofluoromethane	104		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	100		%	04/09/12		H/J	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	100	ug/kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	102		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	107		%	04/09/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69532

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
2,4-Dimethylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrophenol	ND	610	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylnaphthalene	300	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Nitroaniline	ND	610	ug/Kg	04/10/12		DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	04/10/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3-Nitroaniline	ND	610	ug/Kg	04/10/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	04/10/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Nitroaniline	ND	610	ug/Kg	04/10/12		DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthene	280	270	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acetophenone	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Aniline	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Anthracene	1000	270	ug/Kg	04/10/12		DD	SW 8270	
Azobenzene	ND	380	ug/Kg	04/10/12		DD	SW 8270	1
Benz(a)anthracene	2100	270	ug/Kg	04/10/12		DD	SW 8270	
Benzidine	ND	460	ug/Kg	04/10/12		DD	SW 8270	
Benzo(a)pyrene	1700	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(b)fluoranthene	2100	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(ghi)perylene	690	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(k)fluoranthene	670	270	ug/Kg	04/10/12		DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Carbazole	760	570	ug/Kg	04/10/12		DD	SW 8270	
Chrysene	1800	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenzofuran	290	270	ug/Kg	04/10/12		DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Fluoranthene	5300	270	ug/Kg	04/10/12		DD	SW 8270	
Fluorene	510	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69532

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	04/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	600	270	ug/Kg	04/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	04/10/12		DD	SW 8270
Naphthalene	500	270	ug/Kg	04/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	380	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	380	ug/Kg	04/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	380	ug/Kg	04/10/12		DD	SW 8270
Pentachlorophenol	ND	380	ug/Kg	04/10/12		DD	SW 8270
Phenanthrene	4700	270	ug/Kg	04/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	04/10/12		DD	SW 8270
Pyrene	4900	270	ug/Kg	04/10/12		DD	SW 8270
Pyridine	ND	380	ug/Kg	04/10/12		DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	119		%	04/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	79		%	04/10/12		DD	15 - 130 %
% 2-Fluorophenol	82		%	04/10/12		DD	15 - 130 %
% Nitrobenzene-d5	89		%	04/10/12		DD	15 - 130 %
% Phenol-d5	84		%	04/10/12		DD	15 - 130 %
% Terphenyl-d14	114		%	04/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	15:00
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69533

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #2 5-11 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	04/10/12		PS	6010
Arsenic	3.22	0.71	mg/Kg	04/10/12		PS	6010
Barium	127	0.35	mg/Kg	04/10/12		PS	6010
Beryllium	< 0.40	0.40	mg/Kg	04/10/12		PS	6010
Cadmium	< 0.35	0.35	mg/Kg	04/10/12		PS	6010
Chromium	17.1	0.35	mg/Kg	04/10/12		PS	6010
Copper	43.6	0.35	mg/kg	04/10/12		PS	6010
Mercury	0.49	0.09	mg/Kg	04/10/12		RS	SW-7471
Manganese	302	3.5	mg/Kg	04/11/12		EK	6010
Nickel	15.1	0.35	mg/Kg	04/10/12		PS	6010
Lead	192	0.35	mg/Kg	04/10/12		PS	6010
Selenium	< 1.4	1.4	mg/Kg	04/10/12		PS	6010
TCLP Silver	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Arsenic	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Barium	0.99	0.10	mg/L	04/10/12		EK	6010
TCLP Cadmium	< 0.050	0.050	mg/L	04/10/12		EK	6010
TCLP Chromium	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Mercury	< 0.0002	0.0002	mg/L	04/10/12		RS	SW7470
TCLP Lead	0.38	0.10	mg/L	04/10/12		EK	6010
TCLP Selenium	< 0.10	0.10	mg/L	04/10/12		EK	6010
Total Metals Digest	Completed			04/09/12		AG	SW846 - 3050
TCLP Metals Digestion	Completed			04/10/12		X/X	SW3005
Trivalent Chromium	17.1	0.50	mg/kg	04/11/12		CL	6010
Zinc	139	0.35	mg/Kg	04/10/12		PS	6010
Percent Solid	85		%	04/09/12		JL	E160.3
Chromium, Hexavalent	< 0.49	0.49	mg/Kg	04/11/12	12:32	CL	SW3060/7196
Total Cyanide	< 0.53	0.53	mg/Kg	04/09/12		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			04/09/12		BB	SW3545

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 5-11 FT

Phoenix I.D.: BB69533

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Soil Extraction for Pesticide	Completed			04/09/12		BB/F	SW3545	
Soil Extraction for SVOA	Completed			04/09/12		BB/RF	SW3545	
Mercury Digestion	Completed			04/10/12		X/X	SW7471	
Soil Extraction for Herbicide	Completed			04/10/12		M/K	SW8151	
TCLP Digestion Mercury	Completed			04/10/12		X/X	E1311/7470	
TCLP Extraction for Metals	Completed			04/09/12		X	EPA 1311	
Chlorinated Herbicides								
2,4,5-T	ND	49	ug/Kg	04/11/12		JRB	SW8151	
2,4,5-TP (Silvex)	ND	49	ug/Kg	04/11/12		JRB	SW8151	
2,4-D	ND	49	ug/Kg	04/11/12		JRB	SW8151	
2,4-DB	ND	490	ug/Kg	04/11/12		JRB	SW8151	
Dalapon	ND	49	ug/Kg	04/11/12		JRB	SW8151	
Dicamba	ND	98	ug/Kg	04/11/12		JRB	SW8151	
Dichloroprop	ND	49	ug/Kg	04/11/12		JRB	SW8151	
Dinoseb	ND	98	ug/Kg	04/11/12		JRB	SW8151	
QA/QC Surrogates								
% DCAA	74		%	04/11/12		JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1221	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1232	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1242	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1248	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1254	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1260	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1262	ND	76	ug/Kg	04/10/12		MH	SW 8082	
PCB-1268	ND	76	ug/Kg	04/10/12		MH	SW 8082	
QA/QC Surrogates								
% DCBP	62		%	04/10/12		MH	30 - 150 %	
% TCMX	54		%	04/10/12		MH	30 - 150 %	
Pesticides								
4,4' -DDD	ND	3.0	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDE	4.1	3.0	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDT	8.9	3.0	ug/Kg	04/11/12		MR	SW8081	
a-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Alachlor	ND	3.6	ug/Kg	04/11/12		MR	SW8081	1
Aldrin	ND	1.1	ug/Kg	04/11/12		MR	SW8081	
b-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Chlordane	ND	11	ug/Kg	04/11/12		MR	SW8081	
d-BHC	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Dieldrin	ND	1.1	ug/Kg	04/11/12		MR	SW8081	
Endosulfan I	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Endosulfan II	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endosulfan sulfate	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin aldehyde	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
Endrin ketone	ND	7.3	ug/Kg	04/11/12		MR	SW8081	
g-BHC	ND	1.1	ug/Kg	04/11/12		MR	SW8081	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 5-11 FT

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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Heptachlor	ND	2.3	ug/Kg	04/11/12		MR	SW8081	
Heptachlor epoxide	ND	3.6	ug/Kg	04/11/12		MR	SW8081	
Methoxychlor	ND	36	ug/Kg	04/11/12		MR	SW8081	
Toxaphene	ND	36	ug/Kg	04/11/12		MR	SW8081	
QA/QC Surrogates								
% DCBP	72		%	04/11/12		MR	30 - 150 %	
% TCMX	73		%	04/11/12		MR	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
2-Chlorotoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acetone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Benzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromochloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromodichloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromoform	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Bromomethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Carbon Disulfide	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Carbon tetrachloride	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chlorobenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chloroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chloroform	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Chloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Dibromochloromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Dibromoethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	LO
Dibromomethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Ethylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
m&p-Xylene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/09/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Methylene chloride	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Naphthalene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
n-Butylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
n-Propylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
o-Xylene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
sec-Butylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Styrene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
tert-Butylbenzene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Tetrachloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/09/12		H/J	SW8260	1
Toluene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Total Xylenes	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Trichloroethene	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
Vinyl chloride	ND	5.9	ug/Kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	95		%	04/09/12		H/J	70 - 130 %	
% Dibromofluoromethane	105		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	97		%	04/09/12		H/J	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	100	ug/kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	111		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	101		%	04/09/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
2,4-Dimethylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrophenol	ND	610	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylnaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Nitroaniline	ND	610	ug/Kg	04/10/12		DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	04/10/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3-Nitroaniline	ND	610	ug/Kg	04/10/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	380	ug/Kg	04/10/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Nitroaniline	ND	610	ug/Kg	04/10/12		DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acetophenone	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Aniline	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Anthracene	660	270	ug/Kg	04/10/12		DD	SW 8270	
Azobenzene	ND	380	ug/Kg	04/10/12		DD	SW 8270	1
Benz(a)anthracene	1200	270	ug/Kg	04/10/12		DD	SW 8270	
Benzidine	ND	460	ug/Kg	04/10/12		DD	SW 8270	
Benzo(a)pyrene	980	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(b)fluoranthene	1300	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(ghi)perylene	420	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(k)fluoranthene	350	270	ug/Kg	04/10/12		DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	380	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Carbazole	ND	570	ug/Kg	04/10/12		DD	SW 8270	
Chrysene	1100	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenzofuran	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Fluoranthene	3300	270	ug/Kg	04/10/12		DD	SW 8270	
Fluorene	320	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 5-11 FT

Phoenix I.D.: BB69533

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	04/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	360	270	ug/Kg	04/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	04/10/12		DD	SW 8270
Naphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	380	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	380	ug/Kg	04/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	380	ug/Kg	04/10/12		DD	SW 8270
Pentachlorophenol	ND	380	ug/Kg	04/10/12		DD	SW 8270
Phenanthrene	3100	270	ug/Kg	04/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	04/10/12		DD	SW 8270
Pyrene	3000	270	ug/Kg	04/10/12		DD	SW 8270
Pyridine	ND	380	ug/Kg	04/10/12		DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	117		%	04/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	77		%	04/10/12		DD	15 - 130 %
% 2-Fluorophenol	80		%	04/10/12		DD	15 - 130 %
% Nitrobenzene-d5	86		%	04/10/12		DD	15 - 130 %
% Phenol-d5	82		%	04/10/12		DD	15 - 130 %
% Terphenyl-d14	111		%	04/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	14:47
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69534

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #2 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Percent Solid	88		%	04/09/12		JL	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloroethene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,1-Dichloropropene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,2-Dichloropropane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,3-Dichloropropane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
2,2-Dichloropropane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
2-Chlorotoluene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
2-Hexanone	ND	28	ug/Kg	04/10/12		H/J	SW8260	
2-Isopropyltoluene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	1
4-Chlorotoluene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	28	ug/Kg	04/10/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69534

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Acetone	ND	28	ug/Kg	04/10/12		H/J	SW8260	
Acrylonitrile	ND	11	ug/Kg	04/10/12		H/J	SW8260	
Benzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Bromobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Bromochloromethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Bromodichloromethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Bromoform	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Bromomethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Carbon Disulfide	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Carbon tetrachloride	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Chlorobenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Chloroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Chloroform	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Chloromethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Dibromochloromethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Dibromoethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	LO
Dibromomethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Dichlorodifluoromethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Ethylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Hexachlorobutadiene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	LP
Isopropylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
m&p-Xylene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	28	ug/Kg	04/10/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	04/10/12		H/J	SW8260	
Methylene chloride	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Naphthalene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
n-Butylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
n-Propylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
o-Xylene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
p-Isopropyltoluene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
sec-Butylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Styrene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
tert-Butylbenzene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Tetrachloroethene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	04/10/12		H/J	SW8260	1
Toluene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Total Xylenes	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	04/10/12		H/J	SW8260	
Trichloroethene	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Trichlorofluoromethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
Vinyl chloride	ND	5.7	ug/Kg	04/10/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	04/10/12		H/J	70 - 130 %	
% Bromofluorobenzene	93		%	04/10/12		H/J	70 - 130 %	
% Dibromofluoromethane	95		%	04/10/12		H/J	70 - 130 %	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 0-5 FT

Phoenix I.D.: BB69534

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Toluene-d8	97		%	04/10/12		H/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	15:05
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69535

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #2 5-11 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Percent Solid	84		%	04/09/12		JL	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloroethene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloropropene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	1
1,2,3-Trichloropropane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichloropropane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,3-Dichloropropane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
2,2-Dichloropropane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
2-Chlorotoluene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	04/10/12		R/J	SW8260	
2-Isopropyltoluene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	1
4-Chlorotoluene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	04/10/12		R/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 5-11 FT

Phoenix I.D.: BB69535

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Acetone	ND	30	ug/Kg	04/10/12		R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Benzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Bromobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Bromochloromethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Bromodichloromethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Bromoform	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Bromomethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Carbon Disulfide	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Carbon tetrachloride	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Chlorobenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Chloroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Chloroform	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Chloromethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Dibromochloromethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Dibromoethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	LO
Dibromomethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Dichlorodifluoromethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Ethylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Hexachlorobutadiene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	LP
Isopropylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
m&p-Xylene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	04/10/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Methylene chloride	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Naphthalene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
n-Butylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
n-Propylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
o-Xylene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
p-Isopropyltoluene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
sec-Butylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Styrene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
tert-Butylbenzene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Tetrachloroethene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/10/12		R/J	SW8260	1
Toluene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Total Xylenes	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Trichloroethene	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Trichlorofluoromethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Trichlorotrifluoroethane	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
Vinyl chloride	ND	6.0	ug/Kg	04/10/12		R/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	04/10/12		R/J	70 - 130 %	
% Bromofluorobenzene	94		%	04/10/12		R/J	70 - 130 %	
% Dibromofluoromethane	103		%	04/10/12		R/J	70 - 130 %	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #2 5-11 FT

Phoenix I.D.: BB69535

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Toluene-d8	100		%	04/10/12		R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
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1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	13:30
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69536

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #3 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	04/10/12		PS	6010
Arsenic	4.78	0.82	mg/Kg	04/10/12		PS	6010
Barium	388	0.41	mg/Kg	04/10/12		PS	6010
Beryllium	< 0.40	0.40	mg/Kg	04/10/12		PS	6010
Cadmium	< 0.41	0.41	mg/Kg	04/10/12		PS	6010
Chromium	16.9	0.41	mg/Kg	04/10/12		PS	6010
Copper	34.7	0.41	mg/kg	04/10/12		PS	6010
Mercury	0.56	0.07	mg/Kg	04/10/12		RS	SW-7471
Manganese	281	4.1	mg/Kg	04/11/12		EK	6010
Nickel	15.3	0.41	mg/Kg	04/10/12		PS	6010
Lead	782	4.1	mg/Kg	04/11/12		EK	6010
Selenium	< 1.6	1.6	mg/Kg	04/10/12		PS	6010
TCLP Silver	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Arsenic	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Barium	0.47	0.10	mg/L	04/10/12		EK	6010
TCLP Cadmium	< 0.050	0.050	mg/L	04/10/12		EK	6010
TCLP Chromium	< 0.10	0.10	mg/L	04/10/12		EK	6010
TCLP Mercury	< 0.0002	0.0002	mg/L	04/10/12		RS	SW7470
TCLP Lead	3.71	0.10	mg/L	04/10/12		EK	6010
TCLP Selenium	< 0.10	0.10	mg/L	04/10/12		EK	6010
Total Metals Digest	Completed			04/09/12		AG	SW846 - 3050
TCLP Metals Digestion	Completed			04/10/12		X/X	SW3005
Trivalent Chromium	16.9	0.50	mg/kg	04/11/12		CL	6010
Zinc	446	4.1	mg/Kg	04/11/12		EK	6010
Percent Solid	84		%	04/09/12		JL	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	04/11/12	12:32	CL	SW3060/7196
Total Cyanide	0.50	0.50	mg/Kg	04/09/12		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			04/09/12		BB	SW3545

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 0-5 FT

Phoenix I.D.: BB69536

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Soil Extraction for Pesticide	Completed			04/09/12		BB/F	SW3545	
Soil Extraction for SVOA	Completed			04/09/12		BB/RF	SW3545	
Mercury Digestion	Completed			04/10/12		X/X	SW7471	
Soil Extraction for Herbicide	Completed			04/10/12		M/K	SW8151	
TCLP Digestion Mercury	Completed			04/10/12		X/X	E1311/7470	
TCLP Extraction for Metals	Completed			04/09/12		X	EPA 1311	
Chlorinated Herbicides								
2,4,5-T	ND	50	ug/Kg	04/11/12		JRB	SW8151	
2,4,5-TP (Silvex)	ND	50	ug/Kg	04/11/12		JRB	SW8151	
2,4-D	ND	50	ug/Kg	04/11/12		JRB	SW8151	
2,4-DB	ND	500	ug/Kg	04/11/12		JRB	SW8151	
Dalapon	ND	50	ug/Kg	04/11/12		JRB	SW8151	
Dicamba	ND	99	ug/Kg	04/11/12		JRB	SW8151	
Dichloroprop	ND	50	ug/Kg	04/11/12		JRB	SW8151	
Dinoseb	ND	99	ug/Kg	04/11/12		JRB	SW8151	
QA/QC Surrogates								
% DCAA	77		%	04/11/12		JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1221	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1232	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1242	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1248	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1254	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1260	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1262	ND	79	ug/Kg	04/10/12		MH	SW 8082	
PCB-1268	ND	79	ug/Kg	04/10/12		MH	SW 8082	
QA/QC Surrogates								
% DCBP	65		%	04/10/12		MH	30 - 150 %	
% TCMX	64		%	04/10/12		MH	30 - 150 %	
Pesticides								
4,4' -DDD	10	3.2	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDE	18	3.2	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDT	120	16	ug/Kg	04/11/12		MR	SW8081	
a-BHC	ND	3.8	ug/Kg	04/11/12		MR	SW8081	
Alachlor	ND	3.8	ug/Kg	04/11/12		MR	SW8081	1
Aldrin	ND	1.2	ug/Kg	04/11/12		MR	SW8081	
b-BHC	ND	3.8	ug/Kg	04/11/12		MR	SW8081	
Chlordane	88	12	ug/Kg	04/11/12		MR	SW8081	
d-BHC	ND	3.8	ug/Kg	04/11/12		MR	SW8081	
Dieldrin	19	1.2	ug/Kg	04/11/12		MR	SW8081	
Endosulfan I	ND	3.8	ug/Kg	04/11/12		MR	SW8081	
Endosulfan II	ND	7.6	ug/Kg	04/11/12		MR	SW8081	
Endosulfan sulfate	ND	7.6	ug/Kg	04/11/12		MR	SW8081	
Endrin	ND	7.6	ug/Kg	04/11/12		MR	SW8081	
Endrin aldehyde	ND	7.6	ug/Kg	04/11/12		MR	SW8081	
Endrin ketone	ND	7.6	ug/Kg	04/11/12		MR	SW8081	
g-BHC	ND	1.2	ug/Kg	04/11/12		MR	SW8081	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 0-5 FT

Phoenix I.D.: BB69536

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Heptachlor	ND	2.4	ug/Kg	04/11/12		MR	SW8081	
Heptachlor epoxide	ND	3.8	ug/Kg	04/11/12		MR	SW8081	
Methoxychlor	ND	38	ug/Kg	04/11/12		MR	SW8081	
Toxaphene	ND	38	ug/Kg	04/11/12		MR	SW8081	
QA/QC Surrogates								
% DCBP	69		%	04/11/12		MR	30 - 150 %	
% TCMX	65		%	04/11/12		MR	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloropropene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
2,2-Dichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
2-Chlorotoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
2-Hexanone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
2-Isopropyltoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	1
4-Chlorotoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
Acetone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Benzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromochloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromodichloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromoform	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromomethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Carbon Disulfide	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Carbon tetrachloride	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chloroform	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Dibromochloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 0-5 FT

Phoenix I.D.: BB69536

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Dibromoethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	LO
Dibromomethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Dichlorodifluoromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Ethylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Hexachlorobutadiene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	LP
Isopropylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
m&p-Xylene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Methylene chloride	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Naphthalene	6.2	6.0	ug/Kg	04/09/12		H/J	SW8260	
n-Butylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
n-Propylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
o-Xylene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
p-Isopropyltoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
sec-Butylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Styrene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
tert-Butylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Tetrachloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/09/12		H/J	SW8260	1
Toluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Total Xylenes	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Trichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Trichlorofluoromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Vinyl chloride	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	88		%	04/09/12		H/J	70 - 130 %	
% Dibromofluoromethane	114		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	98		%	04/09/12		H/J	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	100	ug/kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	102		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	105		%	04/09/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dichlorophenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 0-5 FT

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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
2,4-Dimethylphenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrophenol	ND	1200	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2-Chloronaphthalene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2-Chlorophenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2-Methylnaphthalene	740	550	ug/Kg	04/10/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	550	ug/Kg	04/10/12		DD	SW 8270	
2-Nitroaniline	ND	1200	ug/Kg	04/10/12		DD	SW 8270	
2-Nitrophenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	780	ug/Kg	04/10/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	550	ug/Kg	04/10/12		DD	SW 8270	
3-Nitroaniline	ND	1200	ug/Kg	04/10/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	04/10/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	780	ug/Kg	04/10/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
4-Chloroaniline	ND	550	ug/Kg	04/10/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	550	ug/Kg	04/10/12		DD	SW 8270	
4-Nitroaniline	ND	1200	ug/Kg	04/10/12		DD	SW 8270	
4-Nitrophenol	ND	2300	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthene	1900	550	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthylene	900	550	ug/Kg	04/10/12		DD	SW 8270	
Acetophenone	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Aniline	ND	2300	ug/Kg	04/10/12		DD	SW 8270	LO
Anthracene	6000	550	ug/Kg	04/10/12		DD	SW 8270	
Azobenzene	ND	780	ug/Kg	04/10/12		DD	SW 8270	1
Benz(a)anthracene	16000	550	ug/Kg	04/10/12		DD	SW 8270	
Benzidine	ND	940	ug/Kg	04/10/12		DD	SW 8270	
Benzo(a)pyrene	14000	550	ug/Kg	04/10/12		DD	SW 8270	
Benzo(b)fluoranthene	17000	550	ug/Kg	04/10/12		DD	SW 8270	
Benzo(ghi)perylene	3400	550	ug/Kg	04/10/12		DD	SW 8270	
Benzo(k)fluoranthene	6900	550	ug/Kg	04/10/12		DD	SW 8270	
Benzoic acid	ND	2300	ug/Kg	04/10/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	780	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Carbazole	4600	1200	ug/Kg	04/10/12		DD	SW 8270	
Chrysene	15000	550	ug/Kg	04/10/12		DD	SW 8270	
Dibenz(a,h)anthracene	1300	550	ug/Kg	04/10/12		DD	SW 8270	
Dibenzofuran	1300	550	ug/Kg	04/10/12		DD	SW 8270	
Diethyl phthalate	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Dimethylphthalate	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Di-n-butylphthalate	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Di-n-octylphthalate	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Fluoranthene	29000	550	ug/Kg	04/10/12		DD	SW 8270	
Fluorene	2300	550	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobutadiene	ND	550	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Hexachlorocyclopentadiene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Hexachloroethane	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Indeno(1,2,3-cd)pyrene	3500	550	ug/Kg	04/10/12		DD	SW 8270	
Isophorone	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Naphthalene	1100	550	ug/Kg	04/10/12		DD	SW 8270	
Nitrobenzene	ND	550	ug/Kg	04/10/12		DD	SW 8270	
N-Nitrosodimethylamine	ND	780	ug/Kg	04/10/12		DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	550	ug/Kg	04/10/12		DD	SW 8270	
N-Nitrosodiphenylamine	ND	780	ug/Kg	04/10/12		DD	SW 8270	
Pentachloronitrobenzene	ND	780	ug/Kg	04/10/12		DD	SW 8270	
Pentachlorophenol	ND	780	ug/Kg	04/10/12		DD	SW 8270	
Phenanthrene	26000	550	ug/Kg	04/10/12		DD	SW 8270	
Phenol	ND	550	ug/Kg	04/10/12		DD	SW 8270	
Pyrene	23000	550	ug/Kg	04/10/12		DD	SW 8270	
Pyridine	ND	780	ug/Kg	04/10/12		DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	148		%	04/10/12		DD	15 - 130 %	3
% 2-Fluorobiphenyl	97		%	04/10/12		DD	15 - 130 %	
% 2-Fluorophenol	104		%	04/10/12		DD	15 - 130 %	
% Nitrobenzene-d5	108		%	04/10/12		DD	15 - 130 %	
% Phenol-d5	104		%	04/10/12		DD	15 - 130 %	
% Terphenyl-d14	127		%	04/10/12		DD	15 - 130 %	

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
3 = This parameter exceeds laboratory specified limits.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	13:45
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69537

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #3 5-11 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	04/10/12		PS	6010
Arsenic	2.46	0.78	mg/Kg	04/10/12		PS	6010
Barium	123	0.39	mg/Kg	04/10/12		PS	6010
Beryllium	< 0.40	0.40	mg/Kg	04/10/12		PS	6010
Cadmium	< 0.39	0.39	mg/Kg	04/10/12		PS	6010
Chromium	15.6	0.39	mg/Kg	04/10/12		PS	6010
Copper	18.2	0.39	mg/kg	04/10/12		PS	6010
Mercury	< 0.08	0.08	mg/Kg	04/10/12		RS	SW-7471
Manganese	292	3.9	mg/Kg	04/11/12		EK	6010
Nickel	14.8	0.39	mg/Kg	04/10/12		PS	6010
Lead	205	0.39	mg/Kg	04/10/12		PS	6010
Selenium	< 1.6	1.6	mg/Kg	04/10/12		PS	6010
TCLP Silver	< 0.10	0.10	mg/L	04/10/12		LK	6010
TCLP Arsenic	< 0.10	0.10	mg/L	04/10/12		LK	6010
TCLP Barium	0.37	0.10	mg/L	04/10/12		LK	6010
TCLP Cadmium	< 0.050	0.050	mg/L	04/10/12		LK	6010
TCLP Chromium	< 0.10	0.10	mg/L	04/10/12		LK	6010
TCLP Mercury	< 0.0002	0.0002	mg/L	04/10/12		RS	SW7470
TCLP Lead	0.84	0.10	mg/L	04/10/12		LK	6010
TCLP Selenium	< 0.10	0.10	mg/L	04/10/12		LK	6010
Total Metals Digest	Completed			04/09/12		AG	SW846 - 3050
TCLP Metals Digestion	Completed			04/10/12		X/X	SW3005
Trivalent Chromium	15.6	0.50	mg/kg	04/11/12		CL	6010
Zinc	104	0.39	mg/Kg	04/10/12		PS	6010
Percent Solid	84		%	04/09/12		JL	E160.3
Chromium, Hexavalent	< 0.50	0.50	mg/Kg	04/11/12	12:32	CL	SW3060/7196
Total Cyanide	< 0.50	0.50	mg/Kg	04/09/12		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			04/09/12		BB	SW3545

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 5-11 FT

Phoenix I.D.: BB69537

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Soil Extraction for Pesticide	Completed			04/09/12		BB/F	SW3545	
Soil Extraction for SVOA	Completed			04/09/12		BB/RF	SW3545	
Mercury Digestion	Completed			04/10/12		X/X	SW7471	
Soil Extraction for Herbicide	Completed			04/10/12		M/K	SW8151	
TCLP Digestion Mercury	Completed			04/10/12		X/X	E1311/7470	
TCLP Extraction for Metals	Completed			04/09/12		X	EPA 1311	
Chlorinated Herbicides								
2,4,5-T	ND	49	ug/Kg	04/11/12		JRB	SW8151	
2,4,5-TP (Silvex)	ND	49	ug/Kg	04/11/12		JRB	SW8151	
2,4-D	ND	49	ug/Kg	04/11/12		JRB	SW8151	
2,4-DB	ND	490	ug/Kg	04/11/12		JRB	SW8151	
Dalapon	ND	49	ug/Kg	04/11/12		JRB	SW8151	
Dicamba	ND	99	ug/Kg	04/11/12		JRB	SW8151	
Dichloroprop	ND	49	ug/Kg	04/11/12		JRB	SW8151	
Dinoseb	ND	99	ug/Kg	04/11/12		JRB	SW8151	
QA/QC Surrogates								
% DCAA	75		%	04/11/12		JRB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1221	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1232	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1242	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1248	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1254	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1260	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1262	ND	77	ug/Kg	04/10/12		MH	SW 8082	
PCB-1268	ND	77	ug/Kg	04/10/12		MH	SW 8082	
QA/QC Surrogates								
% DCBP	59		%	04/10/12		MH	30 - 150 %	
% TCMX	50		%	04/10/12		MH	30 - 150 %	
Pesticides								
4,4' -DDD	3.6	3.1	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDE	7.0	3.1	ug/Kg	04/11/12		MR	SW8081	
4,4' -DDT	33	3.1	ug/Kg	04/11/12		MR	SW8081	
a-BHC	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Alachlor	ND	3.7	ug/Kg	04/11/12		MR	SW8081	1
Aldrin	ND	1.2	ug/Kg	04/11/12		MR	SW8081	
b-BHC	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Chlordane	68	12	ug/Kg	04/11/12		MR	SW8081	
d-BHC	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Dieldrin	15	1.2	ug/Kg	04/11/12		MR	SW8081	
Endosulfan I	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Endosulfan II	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endosulfan sulfate	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endrin	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endrin aldehyde	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
Endrin ketone	ND	7.4	ug/Kg	04/11/12		MR	SW8081	
g-BHC	ND	1.2	ug/Kg	04/11/12		MR	SW8081	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 5-11 FT

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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Heptachlor	ND	2.3	ug/Kg	04/11/12		MR	SW8081	
Heptachlor epoxide	ND	3.7	ug/Kg	04/11/12		MR	SW8081	
Methoxychlor	ND	37	ug/Kg	04/11/12		MR	SW8081	
Toxaphene	ND	37	ug/Kg	04/11/12		MR	SW8081	
QA/QC Surrogates								
% DCBP	77		%	04/11/12		MR	30 - 150 %	
% TCMX	68		%	04/11/12		MR	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,1-Dichloropropene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	1
1,2,3-Trichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,2-Dichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,3-Dichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
2,2-Dichloropropane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
2-Chlorotoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
2-Hexanone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
2-Isopropyltoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	1
4-Chlorotoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
Acetone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Benzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromochloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromodichloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromoform	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Bromomethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Carbon Disulfide	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Carbon tetrachloride	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chlorobenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chloroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chloroform	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Chloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Dibromochloromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
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Phoenix I.D.: BB69537

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Dibromoethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	LO
Dibromomethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Dichlorodifluoromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Ethylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Hexachlorobutadiene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	LP
Isopropylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
m&p-Xylene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	04/09/12		H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Methylene chloride	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Naphthalene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
n-Butylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
n-Propylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
o-Xylene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
p-Isopropyltoluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
sec-Butylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Styrene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
tert-Butylbenzene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Tetrachloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/09/12		H/J	SW8260	1
Toluene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Total Xylenes	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/09/12		H/J	SW8260	
Trichloroethene	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Trichlorofluoromethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Trichlorotrifluoroethane	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
Vinyl chloride	ND	6.0	ug/Kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	96		%	04/09/12		H/J	70 - 130 %	
% Dibromofluoromethane	94		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	98		%	04/09/12		H/J	70 - 130 %	
1,4-dioxane								
1,4-dioxane	ND	100	ug/kg	04/09/12		H/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	04/09/12		H/J	70 - 130 %	
% Bromofluorobenzene	111		%	04/09/12		H/J	70 - 130 %	
% Toluene-d8	103		%	04/09/12		H/J	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2,4-Trichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,2-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,3-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
1,4-Dichlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,5-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4,6-Trichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dichlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
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Parameter	Result	RL	Units ^	Date	Time	By	Reference	
2,4-Dimethylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrophenol	ND	620	ug/Kg	04/10/12		DD	SW 8270	
2,4-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2,6-Dinitrotoluene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chloronaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Chlorophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylnaphthalene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	ug/Kg	04/10/12		DD	SW 8270	
2-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
2-Nitrophenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	390	ug/Kg	04/10/12		DD	SW 8270	
3,3'-Dichlorobenzidine	ND	270	ug/Kg	04/10/12		DD	SW 8270	
3-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
4-Bromophenyl phenyl ether	ND	390	ug/Kg	04/10/12		DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chloroaniline	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
4-Nitroaniline	ND	620	ug/Kg	04/10/12		DD	SW 8270	
4-Nitrophenol	ND	1100	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthene	500	270	ug/Kg	04/10/12		DD	SW 8270	
Acenaphthylene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Acetophenone	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Aniline	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Anthracene	1500	270	ug/Kg	04/10/12		DD	SW 8270	
Azobenzene	ND	390	ug/Kg	04/10/12		DD	SW 8270	1
Benz(a)anthracene	4000	270	ug/Kg	04/10/12		DD	SW 8270	
Benzidine	ND	460	ug/Kg	04/10/12		DD	SW 8270	
Benzo(a)pyrene	3600	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(b)fluoranthene	5000	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(ghi)perylene	1200	270	ug/Kg	04/10/12		DD	SW 8270	
Benzo(k)fluoranthene	1500	270	ug/Kg	04/10/12		DD	SW 8270	
Benzoic acid	ND	1100	ug/Kg	04/10/12		DD	SW 8270	LO
Benzyl butyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroethyl)ether	ND	390	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Carbazole	1300	580	ug/Kg	04/10/12		DD	SW 8270	
Chrysene	3400	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenz(a,h)anthracene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dibenzofuran	330	270	ug/Kg	04/10/12		DD	SW 8270	
Diethyl phthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Dimethylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-butylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Di-n-octylphthalate	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Fluoranthene	6400	270	ug/Kg	04/10/12		DD	SW 8270	
Fluorene	600	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270	
Hexachlorobutadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 5-11 FT

Phoenix I.D.: BB69537

Parameter	Result	RL	Units ^	Date	Time	By	Reference
Hexachlorocyclopentadiene	ND	270	ug/Kg	04/10/12		DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	04/10/12		DD	SW 8270
Indeno(1,2,3-cd)pyrene	1200	270	ug/Kg	04/10/12		DD	SW 8270
Isophorone	ND	270	ug/Kg	04/10/12		DD	SW 8270
Naphthalene	310	270	ug/Kg	04/10/12		DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodimethylamine	ND	390	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	04/10/12		DD	SW 8270
N-Nitrosodiphenylamine	ND	390	ug/Kg	04/10/12		DD	SW 8270
Pentachloronitrobenzene	ND	390	ug/Kg	04/10/12		DD	SW 8270
Pentachlorophenol	ND	390	ug/Kg	04/10/12		DD	SW 8270
Phenanthrene	7300	270	ug/Kg	04/10/12		DD	SW 8270
Phenol	ND	270	ug/Kg	04/10/12		DD	SW 8270
Pyrene	5300	270	ug/Kg	04/10/12		DD	SW 8270
Pyridine	ND	390	ug/Kg	04/10/12		DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	120		%	04/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	75		%	04/10/12		DD	15 - 130 %
% 2-Fluorophenol	84		%	04/10/12		DD	15 - 130 %
% Nitrobenzene-d5	89		%	04/10/12		DD	15 - 130 %
% Phenol-d5	84		%	04/10/12		DD	15 - 130 %
% Terphenyl-d14	118		%	04/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	13:35
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69538

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #3 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Percent Solid	82		%	04/09/12		JL	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloroethene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloropropene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	1
1,2,3-Trichloropropane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichloropropane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,3-Dichloropropane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
2,2-Dichloropropane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
2-Chlorotoluene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	04/10/12		R/J	SW8260	
2-Isopropyltoluene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	1
4-Chlorotoluene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	04/10/12		R/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 0-5 FT

Phoenix I.D.: BB69538

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Acetone	ND	30	ug/Kg	04/10/12		R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Benzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Bromobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Bromochloromethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Bromodichloromethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Bromoform	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Bromomethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Carbon Disulfide	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Carbon tetrachloride	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Chlorobenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Chloroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Chloroform	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Chloromethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Dibromochloromethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Dibromoethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	LO
Dibromomethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Dichlorodifluoromethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Ethylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Hexachlorobutadiene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	LP
Isopropylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
m&p-Xylene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Methyl Ethyl Ketone	ND	30	ug/Kg	04/10/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Methylene chloride	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Naphthalene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
n-Butylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
n-Propylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
o-Xylene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
p-Isopropyltoluene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
sec-Butylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Styrene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
tert-Butylbenzene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Tetrachloroethene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/10/12		R/J	SW8260	1
Toluene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Total Xylenes	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Trichloroethene	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Trichlorofluoromethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Trichlorotrifluoroethane	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
Vinyl chloride	ND	6.1	ug/Kg	04/10/12		R/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	04/10/12		R/J	70 - 130 %	
% Bromofluorobenzene	95		%	04/10/12		R/J	70 - 130 %	
% Dibromofluoromethane	104		%	04/10/12		R/J	70 - 130 %	

Project ID: 45 INDIA ST., BROOKLYN

Phoenix I.D.: BB69538

Client ID: MW #3 0-5 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Toluene-d8	100		%	04/10/12		R/J	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

April 16, 2012

Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 16, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		03/31/12	13:50
Location Code:	LANDMARK	Received by:	LB	04/09/12	16:14
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB69528
Phoenix ID: BB69539

Project ID: 45 INDIA ST., BROOKLYN

Client ID: MW #3 5-11 FT

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Percent Solid	85		%	04/09/12		JL	E160.3	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloroethene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,1-Dichloropropene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	1
1,2,3-Trichloropropane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,2-Dichloropropane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,3-Dichloropropane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
2,2-Dichloropropane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
2-Chlorotoluene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
2-Hexanone	ND	29	ug/Kg	04/10/12		R/J	SW8260	
2-Isopropyltoluene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	1
4-Chlorotoluene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	04/10/12		R/J	SW8260	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 5-11 FT

Phoenix I.D.: BB69539

Parameter	Result	RL	Units ^	Date	Time	By	Reference	
Acetone	ND	29	ug/Kg	04/10/12		R/J	SW8260	
Acrylonitrile	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Benzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Bromobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Bromochloromethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Bromodichloromethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Bromoform	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Bromomethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Carbon Disulfide	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Carbon tetrachloride	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Chlorobenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Chloroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Chloroform	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Chloromethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Dibromochloromethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Dibromoethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	LO
Dibromomethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Dichlorodifluoromethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Ethylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Hexachlorobutadiene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	LP
Isopropylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
m&p-Xylene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Methyl Ethyl Ketone	ND	29	ug/Kg	04/10/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Methylene chloride	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Naphthalene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
n-Butylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
n-Propylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
o-Xylene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
p-Isopropyltoluene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
sec-Butylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Styrene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
tert-Butylbenzene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Tetrachloroethene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	04/10/12		R/J	SW8260	1
Toluene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Total Xylenes	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	04/10/12		R/J	SW8260	
Trichloroethene	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Trichlorofluoromethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Trichlorotrifluoroethane	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
Vinyl chloride	ND	5.9	ug/Kg	04/10/12		R/J	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	04/10/12		R/J	70 - 130 %	
% Bromofluorobenzene	86		%	04/10/12		R/J	70 - 130 %	
% Dibromofluoromethane	105		%	04/10/12		R/J	70 - 130 %	

Project ID: 45 INDIA ST., BROOKLYN
Client ID: MW #3 5-11 FT

Phoenix I.D.: BB69539

Parameter	Result	RL	Units ^	Date	Time	By	Reference
% Toluene-d8	97		%	04/10/12		R/J	70 - 130 %

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Comments:

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ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

Units^ = All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
April 16, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

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QA/QC Report

April 16, 2012

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 197932, QC Sample No: BB60267 (BB69528, BB69529, BB69532, BB69533, BB69536)												
ICP Metals - TCLP Extraction												
Arsenic	0.01	0.0353	<0.10	NC	108	108	0.0	102	103	1.0	75 - 125	20
Barium	0.02	0.25	0.24	4.10	99.3	99.1	0.2	99.9	101	1.1	75 - 125	20
Cadmium	BDL	<0.050	<0.050	NC	101	101	0.0	100	102	2.0	75 - 125	20
Chromium	BDL	<0.10	<0.10	NC	102	102	0.0	100	102	2.0	75 - 125	20
Lead	BDL	0.42	0.40	4.90	102	102	0.0	101	102	1.0	75 - 125	20
Selenium	0.01	0.0682	<0.10	NC	112	113	0.9	103	104	1.0	75 - 125	20
Silver	BDL	<0.10	<0.10	NC	106	106	0.0	100	101	1.0	75 - 125	20
QA/QC Batch 197898, QC Sample No: BB63176 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)												
ICP Metals - Soil												
Arsenic	BDL	6.91	6.66	3.70	97.1	95.2	2.0	91.1	90.3	0.9	75 - 125	30
Barium	BDL	72.4	54.2	28.8	107	99.9	6.9	93.1	101	8.1	75 - 125	30
Beryllium	BDL	0.43	0.42	NC	99.2	96.9	2.3	94.0	93.0	1.1	75 - 125	30
Cadmium	BDL	0.269	<0.35	NC	97.9	96.4	1.5	94.2	92.4	1.9	75 - 125	30
Chromium	BDL	18.3	18.5	1.10	105	106	0.9	101	97.7	3.3	75 - 125	30
Copper	BDL	41.3	38.5	7.00	105	104	1.0	104	103	1.0	75 - 125	30
Lead	BDL	111	104	6.50	102	101	1.0	90.8	91.0	0.2	75 - 125	30
Manganese	BDL	278	256	8.20	103	100	3.0	103	89.5	14.0	75 - 125	30
Nickel	BDL	25.1	27.6	9.50	98.7	99.3	0.6	97.8	94.4	3.5	75 - 125	30
Selenium	BDL	<1.5	<1.4	NC	80.4	80.6	0.2	80.3	79.2	1.4	75 - 125	30
Silver	BDL	0.103	<0.35	NC	101	100	1.0	98.3	97.4	0.9	75 - 125	30
Zinc	BDL	85.1	84.7	0.50	100	99.8	0.2	94.3	93.4	1.0	75 - 125	30
QA/QC Batch 198002, QC Sample No: BB63197 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)												
Mercury - Soil	BDL	<0.08	<0.07	NC	104	99.5	4.4	99.8	100	0.2	70 - 130	30
QA/QC Batch 198003, QC Sample No: BB63364 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)												
Mercury - Water	BDL	<0.00015	<0.0002	NC	105	107	1.9	106	104	1.9	70 - 130	20
QA/QC Batch 198142, QC Sample No: BB69529 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)												
Hex Chromium () - Soil												
Hexavalent Cr	BDL	BDL	BDL	NC	100						70 - 130	30
Insoluble Cr		BDL			100			110			70 - 130	30
Soluble Cr		BDL			95.4			70.5			70 - 130	30
QA/QC Batch 198027, QC Sample No: BB69537 (BB69537)												
ICP Metals - TCLP Extraction												
Arsenic	BDL	<0.10	<0.10	NC	103	98.5	4.5	95.2	95.8	0.6	75 - 125	20
Barium	0.02	0.37	0.40	7.80	104	98.3	5.6	96.2	95.6	0.6	75 - 125	20
Cadmium	BDL	<0.050	<0.050	NC	95.0	90.5	4.9	94.6	95.6	1.1	75 - 125	20
Chromium	BDL	<0.10	<0.10	NC	97.6	93.0	4.8	95.2	95.5	0.3	75 - 125	20
Lead	BDL	0.84	0.93	10.2	94.1	89.9	4.6	94.3	95.5	1.3	75 - 125	20
Selenium	BDL	<0.10	<0.10	NC	109	104	4.7	98.2	98.8	0.6	75 - 125	20
Silver	BDL	<0.10	<0.10	NC	104	97.2	6.8	94.5	96.7	2.3	75 - 125	20

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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QA/QC Report

April 16, 2012

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 197981, QC Sample No: BB62831 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)												
Total Cyanide	BDL	<0.60	<0.55	NC	98.2			93.5			85 - 115	30

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QA/QC Report

April 16, 2012

QA/QC Data

SDG I.D.: GBB69528

QA/QC Batch 197886, QC Sample No: BB63211 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)

Semivolatiles - Soil

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	65	65	0.0	57	54	5.4	30 - 130	30	
1,2,4-Trichlorobenzene	ND	79	78	1.3	77	73	5.3	30 - 130	30	
1,2-Dichlorobenzene	ND	74	75	1.3	73	72	1.4	30 - 130	30	
1,3-Dichlorobenzene	ND	69	69	0.0	70	69	1.4	30 - 130	30	
1,4-Dichlorobenzene	ND	71	71	0.0	71	70	1.4	30 - 130	30	
2,4,5-Trichlorophenol	ND	105	101	3.9	88	82	7.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	101	96	5.1	90	84	6.9	30 - 130	30	
2,4-Dichlorophenol	ND	92	91	1.1	86	83	3.6	30 - 130	30	
2,4-Dimethylphenol	ND	68	68	0.0	73	72	1.4	30 - 130	30	
2,4-Dinitrophenol	ND	<5	<5	NC	5.2	7.1	30.9	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	106	95	10.9	92	87	5.6	30 - 130	30	
2,6-Dinitrotoluene	ND	110	106	3.7	93	87	6.7	30 - 130	30	
2-Chloronaphthalene	ND	104	98	5.9	87	84	3.5	30 - 130	30	
2-Chlorophenol	ND	79	79	0.0	81	78	3.8	30 - 130	30	
2-Methylnaphthalene	ND	73	72	1.4	79	76	3.9	30 - 130	30	
2-Methylphenol (o-cresol)	ND	86	87	1.2	84	83	1.2	30 - 130	30	
2-Nitroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
2-Nitrophenol	ND	90	88	2.2	92	89	3.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	78	80	2.5	84	79	6.1	30 - 130	30	
3,3'-Dichlorobenzidine	ND	63	63	0.0	99	84	16.4	30 - 130	30	
3-Nitroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	l,m
4,6-Dinitro-2-methylphenol	ND	35	32	9.0	76	62	20.3	30 - 130	30	
4-Bromophenyl phenyl ether	ND	87	84	3.5	84	83	1.2	30 - 130	30	
4-Chloro-3-methylphenol	ND	97	96	1.0	96	88	8.7	30 - 130	30	
4-Chloroaniline	ND	122	123	0.8	>150	>150	NC	30 - 130	30	m
4-Chlorophenyl phenyl ether	ND	117	110	6.2	88	83	5.8	30 - 130	30	
4-Nitroaniline	ND	116	101	13.8	112	106	5.5	30 - 130	30	
4-Nitrophenol	ND	94	86	8.9	99	89	10.6	30 - 130	30	
Acenaphthene	ND	89	88	1.1	81	78	3.8	30 - 130	30	
Acenaphthylene	ND	84	81	3.6	87	85	2.3	30 - 130	30	
Acetophenone	ND	50	51	2.0	53	51	3.8	30 - 130	30	
Aniline	ND	57	57	0.0	90	82	9.3	30 - 130	30	
Anthracene	ND	91	92	1.1	90	87	3.4	30 - 130	30	
Azobenzene	ND	63	56	11.8	64	61	4.8	30 - 130	30	
Benz(a)anthracene	ND	92	91	1.1	102	96	6.1	30 - 130	30	
Benzidine	ND	76	81	6.4	>150	>150	NC	30 - 130	30	m
Benzo(a)pyrene	ND	89	92	3.3	92	88	4.4	30 - 130	30	
Benzo(b)fluoranthene	ND	106	104	1.9	97	98	1.0	30 - 130	30	
Benzo(ghi)perylene	ND	86	85	1.2	84	77	8.7	30 - 130	30	
Benzo(k)fluoranthene	ND	92	97	5.3	107	101	5.8	30 - 130	30	
Benzyl butyl phthalate	ND	82	81	1.2	93	90	3.3	30 - 130	30	

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bis(2-chloroethoxy)methane	ND	87	86	1.2	89	87	2.3	30 - 130	30	
Bis(2-chloroethyl)ether	ND	69	69	0.0	68	65	4.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	84	84	0.0	88	87	1.1	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	75	74	1.3	106	104	1.9	30 - 130	30	
Carbazole	ND	119	120	0.8	146	147	0.7	30 - 130	30	m
Chrysene	ND	85	83	2.4	89	87	2.3	30 - 130	30	
Dibenz(a,h)anthracene	ND	97	97	0.0	93	83	11.4	30 - 130	30	
Dibenzofuran	ND	99	89	10.6	88	84	4.7	30 - 130	30	
Diethyl phthalate	ND	107	94	12.9	97	93	4.2	30 - 130	30	
Dimethylphthalate	ND	108	103	4.7	90	86	4.5	30 - 130	30	
Di-n-butylphthalate	ND	87	86	1.2	91	90	1.1	30 - 130	30	
Di-n-octylphthalate	ND	80	81	1.2	104	96	8.0	30 - 130	30	
Fluoranthene	ND	102	101	1.0	87	87	0.0	30 - 130	30	
Fluorene	ND	115	105	9.1	92	85	7.9	30 - 130	30	
Hexachlorobenzene	ND	88	89	1.1	96	96	0.0	30 - 130	30	
Hexachlorobutadiene	ND	84	83	1.2	76	76	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	120	125	4.1	41	35	15.8	30 - 130	30	
Hexachloroethane	ND	74	75	1.3	74	74	0.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	92	93	1.1	90	82	9.3	30 - 130	30	
Isophorone	ND	87	86	1.2	91	88	3.4	30 - 130	30	
Naphthalene	ND	63	68	7.6	81	78	3.8	30 - 130	30	
Nitrobenzene	ND	86	87	1.2	84	81	3.6	30 - 130	30	
N-Nitrosodimethylamine	ND	66	66	0.0	68	60	12.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	70	76	8.2	85	80	6.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	124	109	12.9	110	104	5.6	30 - 130	30	
Pentachloronitrobenzene	ND	132	132	0.0	136	133	2.2	30 - 130	30	l,m
Pentachlorophenol	ND	84	78	7.4	77	67	13.9	30 - 130	30	
Phenanthrene	ND	92	91	1.1	92	89	3.3	30 - 130	30	
Phenol	ND	76	77	1.3	86	81	6.0	30 - 130	30	
Pyrene	ND	104	103	1.0	90	90	0.0	30 - 130	30	
Pyridine	ND	33	33	0.0	33	30	9.5	30 - 130	30	
% 2,4,6-Tribromophenol	90	83	79	4.9	108	107	0.9	15 - 130	30	
% 2-Fluorobiphenyl	74	96	93	3.2	83	80	3.7	30 - 130	30	
% 2-Fluorophenol	82	81	82	1.2	82	78	5.0	15 - 130	30	
% Nitrobenzene-d5	81	83	84	1.2	86	81	6.0	30 - 130	30	
% Phenol-d5	77	81	81	0.0	82	78	5.0	15 - 130	30	
% Terphenyl-d14	101	124	123	0.8	102	103	1.0	30 - 130	30	

QA/QC Batch 197889, QC Sample No: BB63225 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	96	88	8.7	81	96	16.9	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	88	80	9.5	81	91	11.6	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	95	82	75	8.9	67	78	15.2	30 - 150	30	
% TCMX (Surrogate Rec)	104	72	70	2.8	82	92	11.5	30 - 150	30	

QA/QC Data

SDG I.D.: GBB69528

QA/QC Batch 198128, QC Sample No: BB63286 (BB69535, BB69538, BB69539)

Volatiles - Soil

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	114	118	3.4	106	104	1.9	70 - 130	30	
1,1,1-Trichloroethane	ND	110	111	0.9	103	103	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	117	117	0.0	115	113	1.8	70 - 130	30	
1,1,2-Trichloroethane	ND	120	120	0.0	110	109	0.9	70 - 130	30	
1,1-Dichloroethane	ND	111	112	0.9	106	105	0.9	70 - 130	30	
1,1-Dichloroethene	ND	101	101	0.0	96	98	2.1	70 - 130	30	
1,1-Dichloropropene	ND	106	105	0.9	100	100	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	103	1.0	98	100	2.0	70 - 130	30	
1,2,3-Trichloropropane	ND	121	125	3.3	112	98	13.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	97	1.0	98	99	1.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	107	109	1.9	104	102	1.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	126	123	2.4	107	105	1.9	70 - 130	30	
1,2-Dichlorobenzene	ND	107	108	0.9	104	103	1.0	70 - 130	30	
1,2-Dichloroethane	ND	120	118	1.7	111	109	1.8	70 - 130	30	
1,2-Dichloropropane	ND	114	113	0.9	107	106	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	111	111	0.0	103	103	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	104	106	1.9	102	103	1.0	70 - 130	30	
1,3-Dichloropropane	ND	119	122	2.5	113	110	2.7	70 - 130	30	
1,4-Dichlorobenzene	ND	103	103	0.0	103	103	0.0	70 - 130	30	
2,2-Dichloropropane	ND	109	109	0.0	98	99	1.0	70 - 130	30	
2-Chlorotoluene	ND	108	110	1.8	104	103	1.0	70 - 130	30	
2-Hexanone	ND	115	113	1.8	59	56	5.2	70 - 130	30	m
2-Isopropyltoluene	ND	102	102	0.0	103	102	1.0	70 - 130	30	
4-Chlorotoluene	ND	103	106	2.9	104	104	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	122	118	3.3	103	100	3.0	70 - 130	30	
Acetone	ND	125	120	4.1	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	122	122	0.0	120	117	2.5	70 - 130	30	
Benzene	ND	109	109	0.0	102	102	0.0	70 - 130	30	
Bromobenzene	ND	114	115	0.9	104	104	0.0	70 - 130	30	
Bromochloromethane	ND	119	119	0.0	110	109	0.9	70 - 130	30	
Bromodichloromethane	ND	114	116	1.7	105	105	0.0	70 - 130	30	
Bromoform	ND	124	126	1.6	105	104	1.0	70 - 130	30	
Bromomethane	ND	114	118	3.4	56	57	1.8	70 - 130	30	m
Carbon Disulfide	ND	>150	>150	NC	92	94	2.2	70 - 130	30	l
Carbon tetrachloride	ND	109	109	0.0	96	96	0.0	70 - 130	30	
Chlorobenzene	ND	106	109	2.8	105	104	1.0	70 - 130	30	
Chloroethane	ND	108	109	0.9	<40	<40	NC	70 - 130	30	m
Chloroform	ND	112	113	0.9	105	105	0.0	70 - 130	30	
Chloromethane	ND	105	106	0.9	98	96	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	111	112	0.9	105	104	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	115	114	0.9	105	105	0.0	70 - 130	30	
Dibromochloromethane	ND	120	125	4.1	109	106	2.8	70 - 130	30	
Dibromoethane	ND	123	120	2.5	112	112	0.0	70 - 130	30	
Dibromomethane	ND	119	117	1.7	108	107	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	99	98	1.0	98	97	1.0	70 - 130	30	
Ethylbenzene	ND	106	110	3.7	104	102	1.9	70 - 130	30	
Hexachlorobutadiene	ND	91	91	0.0	95	93	2.1	70 - 130	30	
Isopropylbenzene	ND	109	111	1.8	103	102	1.0	70 - 130	30	
m&p-Xylene	ND	104	106	1.9	102	100	2.0	70 - 130	30	
Methyl ethyl ketone	ND	120	116	3.4	54	53	1.9	70 - 130	30	m

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	124	124	0.0	113	112	0.9	70 - 130	30	
Methylene chloride	ND	108	107	0.9	99	99	0.0	70 - 130	30	
Naphthalene	ND	115	115	0.0	102	108	5.7	70 - 130	30	
n-Butylbenzene	ND	101	101	0.0	100	100	0.0	70 - 130	30	
n-Propylbenzene	ND	101	102	1.0	103	100	3.0	70 - 130	30	
o-Xylene	ND	109	112	2.7	104	103	1.0	70 - 130	30	
p-Isopropyltoluene	ND	108	109	0.9	103	102	1.0	70 - 130	30	
sec-Butylbenzene	ND	102	103	1.0	103	102	1.0	70 - 130	30	
Styrene	ND	113	116	2.6	107	106	0.9	70 - 130	30	
tert-Butylbenzene	ND	106	107	0.9	102	102	0.0	70 - 130	30	
Tetrachloroethene	ND	103	108	4.7	101	99	2.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	117	116	0.9	108	105	2.8	70 - 130	30	
Toluene	ND	109	108	0.9	102	102	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	107	108	0.9	102	102	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	119	117	1.7	107	106	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	128	129	0.8	106	102	3.8	70 - 130	30	
Trichloroethene	ND	108	109	0.9	98	97	1.0	70 - 130	30	
Trichlorofluoromethane	ND	123	124	0.8	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	101	103	2.0	97	98	1.0	70 - 130	30	
Vinyl chloride	ND	104	105	1.0	95	95	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	100	1.0	98	100	2.0	70 - 130	30	
% Bromofluorobenzene	99	102	104	1.9	104	103	1.0	70 - 130	30	
% Dibromofluoromethane	104	103	104	1.0	100	98	2.0	70 - 130	30	
% Toluene-d8	100	100	100	0.0	100	101	1.0	70 - 130	30	

QA/QC Batch 198048, QC Sample No: BB63292 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	110	106	3.7	104	104	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	105	100	4.9	105	88	17.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	111	119	7.0	109	111	1.8	70 - 130	30	
1,1,2-Trichloroethane	ND	109	105	3.7	107	102	4.8	70 - 130	30	
1,1-Dichloroethane	ND	108	99	8.7	112	91	20.7	70 - 130	30	
1,1-Dichloroethene	ND	100	101	1.0	95	100	5.1	70 - 130	30	
1,1-Dichloropropene	ND	111	90	20.9	114	87	26.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	108	5.7	85	96	12.2	70 - 130	30	
1,2,3-Trichloropropane	ND	101	114	12.1	98	99	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	98	0.0	92	97	5.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	105	108	2.8	105	103	1.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	112	124	10.2	93	106	13.1	70 - 130	30	
1,2-Dichlorobenzene	ND	100	100	0.0	100	97	3.0	70 - 130	30	
1,2-Dichloroethane	ND	102	102	0.0	100	98	2.0	70 - 130	30	
1,2-Dichloropropane	ND	106	104	1.9	104	98	5.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	114	118	3.4	113	110	2.7	70 - 130	30	
1,3-Dichlorobenzene	ND	107	105	1.9	107	103	3.8	70 - 130	30	
1,3-Dichloropropane	ND	105	106	0.9	103	103	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	104	102	1.9	106	101	4.8	70 - 130	30	
2,2-Dichloropropane	ND	109	110	0.9	97	85	13.2	70 - 130	30	
2-Chlorotoluene	ND	105	105	0.0	107	102	4.8	70 - 130	30	
2-Hexanone	ND	111	105	5.6	58	59	1.7	70 - 130	30	m
2-Isopropyltoluene	ND	111	110	0.9	115	111	3.5	70 - 130	30	
4-Chlorotoluene	ND	103	103	0.0	108	100	7.7	70 - 130	30	
4-Methyl-2-pentanone	ND	105	110	4.7	95	98	3.1	70 - 130	30	
Acetone	ND	89	103	14.6	<40	46	NC	70 - 130	30	m

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acrylonitrile	ND	112	102	9.3	117	98	17.7	70 - 130	30	
Benzene	ND	104	104	0.0	105	102	2.9	70 - 130	30	
Bromobenzene	ND	103	102	1.0	105	98	6.9	70 - 130	30	
Bromochloromethane	ND	112	97	14.4	112	89	22.9	70 - 130	30	
Bromodichloromethane	ND	108	104	3.8	100	94	6.2	70 - 130	30	
Bromoform	ND	97	92	5.3	82	85	3.6	70 - 130	30	
Bromomethane	ND	101	89	12.6	75	58	25.6	70 - 130	30	m
Carbon Disulfide	ND	149	>150	NC	91	93	2.2	70 - 130	30	l
Carbon tetrachloride	ND	107	96	10.8	97	82	16.8	70 - 130	30	
Chlorobenzene	ND	106	102	3.8	105	103	1.9	70 - 130	30	
Chloroethane	ND	102	106	3.8	43	<40	NC	70 - 130	30	m
Chloroform	ND	107	100	6.8	108	89	19.3	70 - 130	30	
Chloromethane	ND	99	101	2.0	103	107	3.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	115	98	16.0	118	93	23.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	107	0.0	103	98	5.0	70 - 130	30	
Dibromochloromethane	ND	105	105	0.0	96	93	3.2	70 - 130	30	
Dibromoethane	ND	104	106	1.9	100	98	2.0	70 - 130	30	
Dibromomethane	ND	104	105	1.0	98	95	3.1	70 - 130	30	
Dichlorodifluoromethane	ND	92	84	9.1	116	101	13.8	70 - 130	30	
Ethylbenzene	ND	106	102	3.8	106	100	5.8	70 - 130	30	
Hexachlorobutadiene	ND	101	95	6.1	89	90	1.1	70 - 130	30	
Isopropylbenzene	ND	108	108	0.0	111	105	5.6	70 - 130	30	
m&p-Xylene	ND	108	104	3.8	108	104	3.8	70 - 130	30	
Methyl ethyl ketone	ND	101	87	14.9	55	52	5.6	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	112	113	0.9	105	105	0.0	70 - 130	30	
Methylene chloride	ND	102	105	2.9	102	98	4.0	70 - 130	30	
Naphthalene	ND	102	112	9.3	86	102	17.0	70 - 130	30	
n-Butylbenzene	ND	111	110	0.9	108	104	3.8	70 - 130	30	
n-Propylbenzene	ND	107	107	0.0	117	107	8.9	70 - 130	30	
o-Xylene	ND	109	105	3.7	109	104	4.7	70 - 130	30	
p-Isopropyltoluene	ND	115	114	0.9	110	106	3.7	70 - 130	30	
sec-Butylbenzene	ND	106	104	1.9	107	101	5.8	70 - 130	30	
Styrene	ND	87	84	3.5	95	92	3.2	70 - 130	30	
tert-Butylbenzene	ND	108	107	0.9	108	103	4.7	70 - 130	30	
Tetrachloroethene	ND	100	99	1.0	107	105	1.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	102	100	2.0	104	95	9.0	70 - 130	30	
Toluene	ND	110	105	4.7	109	103	5.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	105	108	2.8	105	101	3.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	110	111	0.9	99	95	4.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	120	125	4.1	110	106	3.7	70 - 130	30	
Trichloroethene	ND	105	104	1.0	107	102	4.8	70 - 130	30	
Trichlorofluoromethane	ND	114	117	2.6	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	99	103	4.0	97	102	5.0	70 - 130	30	
Vinyl chloride	ND	104	102	1.9	121	116	4.2	70 - 130	30	
% 1,2-dichlorobenzene-d4	95	97	101	4.0	98	96	2.1	70 - 130	30	
% Bromofluorobenzene	101	104	102	1.9	103	100	3.0	70 - 130	30	
% Dibromofluoromethane	100	111	101	9.4	110	93	16.7	70 - 130	30	
% Toluene-d8	97	103	101	2.0	103	101	2.0	70 - 130	30	

QA/QC Batch 197969, QC Sample No: BB69395 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)

Pesticides - Soil

4,4' -DDD	ND	91	87	4.5	93	100	7.3	40 - 140	30	
4,4' -DDE	ND	89	88	1.1	87	84	3.5	40 - 140	30	

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4,4' -DDT	ND	88	87	1.1	94	93	1.1	40 - 140	30	
a-BHC	ND	91	89	2.2	89	89	0.0	40 - 140	30	
a-Chlordane	ND	87	89	2.3	85	84	1.2	40 - 140	30	
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
Aldrin	ND	90	88	2.2	88	86	2.3	40 - 140	30	
b-BHC	ND	94	93	1.1	91	91	0.0	40 - 140	30	
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
d-BHC	ND	87	86	1.2	90	92	2.2	40 - 140	30	
Dieldrin	ND	89	87	2.3	91	93	2.2	40 - 140	30	
Endosulfan I	ND	85	86	1.2	86	85	1.2	40 - 140	30	
Endosulfan II	ND	71	69	2.9	88	88	0.0	40 - 140	30	
Endosulfan sulfate	ND	80	81	1.2	88	88	0.0	40 - 140	30	
Endrin	ND	79	80	1.3	95	96	1.0	40 - 140	30	
Endrin aldehyde	ND	65	74	12.9	96	96	0.0	40 - 140	30	
Endrin ketone	ND	87	87	0.0	86	86	0.0	40 - 140	30	
g-BHC	ND	91	89	2.2	99	114	14.1	40 - 140	30	
g-Chlordane	ND	86	87	1.2	85	84	1.2	40 - 140	30	
Heptachlor	ND	84	82	2.4	85	85	0.0	40 - 140	30	
Heptachlor epoxide	ND	91	89	2.2	89	88	1.1	40 - 140	30	
Methoxychlor	ND	75	76	1.3	90	94	4.3	40 - 140	30	
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
% DCBP	88	88	89	1.1	84	86	2.4	30 - 150	30	
% TCMX	89	87	85	2.3	85	85	0.0	30 - 150	30	

QA/QC Batch 198057, QC Sample No: BB69520 (BB69530, BB69531, BB69534)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	107	108	0.9	98	100	2.0	70 - 130	30	
1,1,1-Trichloroethane	ND	112	102	9.3	104	91	13.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	110	9.5	101	108	6.7	70 - 130	30	
1,1,2-Trichloroethane	ND	109	109	0.0	99	100	1.0	70 - 130	30	
1,1-Dichloroethane	ND	103	100	3.0	110	91	18.9	70 - 130	30	
1,1-Dichloroethene	ND	107	107	0.0	105	103	1.9	70 - 130	30	
1,1-Dichloropropene	ND	116	92	23.1	108	89	19.3	70 - 130	30	
1,2,3-Trichlorobenzene	ND	93	99	6.3	66	72	8.7	70 - 130	30	m
1,2,3-Trichloropropane	ND	98	109	10.6	93	102	9.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	89	90	1.1	63	68	7.6	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	102	101	1.0	88	75	16.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	103	111	7.5	92	96	4.3	70 - 130	30	
1,2-Dichlorobenzene	ND	95	96	1.0	87	84	3.5	70 - 130	30	
1,2-Dichloroethane	ND	105	104	1.0	95	97	2.1	70 - 130	30	
1,2-Dichloropropane	ND	108	106	1.9	100	99	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	111	111	0.0	81	72	11.8	70 - 130	30	
1,3-Dichlorobenzene	ND	101	99	2.0	95	92	3.2	70 - 130	30	
1,3-Dichloropropane	ND	100	109	8.6	96	98	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	96	96	0.0	89	88	1.1	70 - 130	30	
2,2-Dichloropropane	ND	110	102	7.5	102	90	12.5	70 - 130	30	
2-Chlorotoluene	ND	101	100	1.0	93	92	1.1	70 - 130	30	
2-Hexanone	ND	106	110	3.7	70	68	2.9	70 - 130	30	m
2-Isopropyltoluene	ND	110	106	3.7	99	100	1.0	70 - 130	30	
4-Chlorotoluene	ND	96	96	0.0	92	88	4.4	70 - 130	30	
4-Methyl-2-pentanone	ND	107	111	3.7	89	99	10.6	70 - 130	30	
Acetone	ND	87	104	17.8	53	52	1.9	70 - 130	30	m
Acrylonitrile	ND	96	106	9.9	105	91	14.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzene	ND	109	106	2.8	99	100	1.0	70 - 130	30	
Bromobenzene	ND	101	102	1.0	89	89	0.0	70 - 130	30	
Bromochloromethane	ND	117	98	17.7	107	88	19.5	70 - 130	30	
Bromodichloromethane	ND	108	106	1.9	98	96	2.1	70 - 130	30	
Bromoform	ND	86	80	7.2	83	85	2.4	70 - 130	30	
Bromomethane	ND	116	104	10.9	106	98	7.8	70 - 130	30	
Carbon Disulfide	ND	>150	>150	NC	>150	>150	NC	70 - 130	30	l,m
Carbon tetrachloride	ND	108	95	12.8	101	88	13.8	70 - 130	30	
Chlorobenzene	ND	101	100	1.0	96	93	3.2	70 - 130	30	
Chloroethane	ND	122	108	12.2	112	101	10.3	70 - 130	30	
Chloroform	ND	113	102	10.2	102	89	13.6	70 - 130	30	
Chloromethane	ND	118	113	4.3	104	102	1.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	123	101	19.6	113	92	20.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	108	0.9	97	97	0.0	70 - 130	30	
Dibromochloromethane	ND	99	104	4.9	95	96	1.0	70 - 130	30	
Dibromoethane	ND	106	108	1.9	96	99	3.1	70 - 130	30	
Dibromomethane	ND	106	104	1.9	94	96	2.1	70 - 130	30	
Dichlorodifluoromethane	ND	124	106	15.7	121	103	16.1	70 - 130	30	
Ethylbenzene	ND	103	100	3.0	95	91	4.3	70 - 130	30	
Hexachlorobutadiene	ND	91	91	0.0	61	66	7.9	70 - 130	30	m
Isopropylbenzene	ND	106	104	1.9	98	96	2.1	70 - 130	30	
m&p-Xylene	ND	105	101	3.9	91	87	4.5	70 - 130	30	
Methyl ethyl ketone	ND	104	86	18.9	70	59	17.1	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	109	114	4.5	105	110	4.7	70 - 130	30	
Methylene chloride	ND	107	109	1.9	97	98	1.0	70 - 130	30	
Naphthalene	ND	96	105	9.0	58	62	6.7	70 - 130	30	m
n-Butylbenzene	ND	104	98	5.9	86	86	0.0	70 - 130	30	
n-Propylbenzene	ND	104	103	1.0	96	94	2.1	70 - 130	30	
o-Xylene	ND	106	105	0.9	98	92	6.3	70 - 130	30	
p-Isopropyltoluene	ND	111	105	5.6	92	98	6.3	70 - 130	30	
sec-Butylbenzene	ND	102	97	5.0	84	83	1.2	70 - 130	30	
Styrene	ND	89	80	10.7	80	75	6.5	70 - 130	30	
tert-Butylbenzene	ND	105	101	3.9	98	97	1.0	70 - 130	30	
Tetrachloroethene	ND	98	101	3.0	93	95	2.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	107	99	7.8	96	87	9.8	70 - 130	30	
Toluene	ND	109	105	3.7	99	98	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	111	111	0.0	104	101	2.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	111	108	2.7	99	96	3.1	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	109	116	6.2	98	102	4.0	70 - 130	30	
Trichloroethene	ND	112	107	4.6	100	98	2.0	70 - 130	30	
Trichlorofluoromethane	ND	126	121	4.0	98	96	2.1	70 - 130	30	
Trichlorotrifluoroethane	ND	109	105	3.7	103	103	0.0	70 - 130	30	
Vinyl chloride	ND	120	109	9.6	108	101	6.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	96	98	2.1	99	98	1.0	70 - 130	30	
% Bromofluorobenzene	100	102	101	1.0	103	101	2.0	70 - 130	30	
% Dibromofluoromethane	100	112	100	11.3	111	94	16.6	70 - 130	30	
% Toluene-d8	98	104	101	2.9	102	101	1.0	70 - 130	30	

QA/QC Batch 198063, QC Sample No: BB69528 (BB69528, BB69529, BB69532, BB69533, BB69536, BB69537)

Chlorinated Herbicides - Soil

2,4,5-T	ND	119	123	3.3	91	71	24.7	40 - 140	30	
2,4,5-TP (Silvex)	ND	87	89	2.3	91	83	9.2	40 - 140	30	
2,4-D	ND	98	100	2.0	118	98	18.5	40 - 140	30	

QA/QC Data

SDG I.D.: GBB69528

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4-DB	ND	89	90	1.1	98	85	14.2	40 - 140	30	
Dalapon	ND	84	124	38.5	68	56	19.4	40 - 140	30	r
Dicamba	ND	96	95	1.0	82	75	8.9	40 - 140	30	
Dichloroprop	ND	75	79	5.2	73	67	8.6	40 - 140	30	
Dinoseb	ND	64	52	20.7	31	25	21.4	40 - 140	30	m
% DCAA (Surrogate Rec)	70	75	74	1.3	70	62	12.1	30 - 150	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 16, 2012

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS

GBB69528

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB69528	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	6500	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	6500	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Residential	5400	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	5400	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	7100	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	7100	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benzo(k)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	2100	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benzo(k)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	2100	270	800	800	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	5300	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	5300	270	1000	1000	ug/Kg
BB69528	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1900	270	500	500	ug/Kg
BB69528	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1900	270	500	500	ug/Kg
BB69528	LANDMARK	$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	530	270	330	330	ug/Kg
BB69528	LANDMARK	$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	530	270	330	330	ug/Kg
BB69528	LANDMARK	$PEST_SMR	4,4' -DDE	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	59	16	3.3	3.3	ug/Kg
BB69528	LANDMARK	$PEST_SMR	Dieldrin	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	8.5	5.8	5	5	ug/Kg
BB69528	LANDMARK	$PEST_SMR	4,4' -DDD	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	9.2	3.1	3.3	3.3	ug/Kg
BB69528	LANDMARK	$PEST_SMR	4,4' -DDT	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	250	16	3.3	3.3	ug/Kg
BB69528	LANDMARK	BA-SM	Barium	mg/kg	NY	375-6.8 Metals	Residential	2440	3.9	350	350	mg/Kg
BB69528	LANDMARK	BA-SM	Barium	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	2440	3.9	350	350	mg/Kg
BB69528	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Residential	1.16	0.09	0.81	0.81	mg/Kg
BB69528	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	1.16	0.09	0.18	0.18	mg/Kg
BB69528	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Residential	1560	39	400	400	mg/Kg
BB69528	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	1560	39	63	63	mg/Kg
BB69528	LANDMARK	TCLP-PB	TCLP Lead	mg/l	EPA	40 Cfr 261.24	Toxicity Characteristics	14.9	1.0	5	5	mg/L
BB69528	LANDMARK	ZN-SM	Zinc	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	1220	3.9	109	109	mg/Kg
BB69529	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1100	270	1000	1000	ug/Kg
BB69529	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1100	270	1000	1000	ug/Kg
BB69529	LANDMARK	$PEST_SMR	4,4' -DDE	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	26	3.0	3.3	3.3	ug/Kg
BB69529	LANDMARK	$PEST_SMR	Dieldrin	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	5.2	1.1	5	5	ug/Kg
BB69529	LANDMARK	$PEST_SMR	4,4' -DDD	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	6.0	3.0	3.3	3.3	ug/Kg
BB69529	LANDMARK	$PEST_SMR	4,4' -DDT	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	150	15	3.3	3.3	ug/Kg
BB69529	LANDMARK	BA-SM	Barium	mg/kg	NY	375-6.8 Metals	Residential	1070	0.42	350	350	mg/Kg
BB69529	LANDMARK	BA-SM	Barium	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	1070	0.42	350	350	mg/Kg
BB69529	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	0.69	0.07	0.18	0.18	mg/Kg
BB69529	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Residential	767	4.2	400	400	mg/Kg
BB69529	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	767	4.2	63	63	mg/Kg
BB69529	LANDMARK	TCLP-PB	TCLP Lead	mg/l	EPA	40 Cfr 261.24	Toxicity Characteristics	20.7	0.10	5	5	mg/L
BB69529	LANDMARK	ZN-SM	Zinc	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	319	4.2	109	109	mg/Kg

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS

GBB69528

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB69532	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	2100	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	2100	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1800	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1800	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	2100	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	2100	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1700	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1700	270	1000	1000	ug/Kg
BB69532	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	600	270	500	500	ug/Kg
BB69532	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	600	270	500	500	ug/Kg
BB69532	LANDMARK	$PEST_SMR	4,4' -DDE	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	4.4	3.0	3.3	3.3	ug/Kg
BB69532	LANDMARK	$PEST_SMR	4,4' -DDD	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	4.5	3.0	3.3	3.3	ug/Kg
BB69532	LANDMARK	$PEST_SMR	4,4' -DDT	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	6.8	3.0	3.3	3.3	ug/Kg
BB69532	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Residential	1.00	0.08	0.81	0.81	mg/Kg
BB69532	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	1.00	0.08	0.18	0.18	mg/Kg
BB69532	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	335	4.0	63	63	mg/Kg
BB69532	LANDMARK	ZN-SM	Zinc	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	199	0.40	109	109	mg/Kg
BB69533	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1200	270	1000	1000	ug/Kg
BB69533	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1200	270	1000	1000	ug/Kg
BB69533	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1100	270	1000	1000	ug/Kg
BB69533	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1100	270	1000	1000	ug/Kg
BB69533	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1300	270	1000	1000	ug/Kg
BB69533	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1300	270	1000	1000	ug/Kg
BB69533	LANDMARK	$PEST_SMR	4,4' -DDE	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	4.1	3.0	3.3	3.3	ug/Kg
BB69533	LANDMARK	$PEST_SMR	4,4' -DDT	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	8.9	3.0	3.3	3.3	ug/Kg
BB69533	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	0.49	0.09	0.18	0.18	mg/Kg
BB69533	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	192	0.35	63	63	mg/Kg
BB69533	LANDMARK	ZN-SM	Zinc	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	139	0.35	109	109	mg/Kg
BB69536	LANDMARK	$8270-SMR	Phenol	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	ND	550	330	330	ug/Kg
BB69536	LANDMARK	$8270-SMR	2-Methylphenol (o-cresol)	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	ND	550	330	330	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	16000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	16000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Residential	15000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	15000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	17000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	17000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benzo(k)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	6900	550	1000	1000	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS

GBB69528

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BB69536	LANDMARK	$8270-SMR	Benzo(k)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	6900	550	800	800	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	14000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	14000	550	1000	1000	ug/Kg
BB69536	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	3500	550	500	500	ug/Kg
BB69536	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	3500	550	500	500	ug/Kg
BB69536	LANDMARK	$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1300	550	330	330	ug/Kg
BB69536	LANDMARK	$8270-SMR	Dibenz(a,h)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1300	550	330	330	ug/Kg
BB69536	LANDMARK	$PEST_SMR	4,4' -DDE	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	18	3.2	3.3	3.3	ug/Kg
BB69536	LANDMARK	$PEST_SMR	Dieldrin	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	19	1.2	5	5	ug/Kg
BB69536	LANDMARK	$PEST_SMR	4,4' -DDD	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	10	3.2	3.3	3.3	ug/Kg
BB69536	LANDMARK	$PEST_SMR	4,4' -DDT	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	120	16	3.3	3.3	ug/Kg
BB69536	LANDMARK	BA-SM	Barium	mg/kg	NY	375-6.8 Metals	Residential	388	0.41	350	350	mg/Kg
BB69536	LANDMARK	BA-SM	Barium	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	388	0.41	350	350	mg/Kg
BB69536	LANDMARK	HG-SM	Mercury	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	0.56	0.07	0.18	0.18	mg/Kg
BB69536	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Residential	782	4.1	400	400	mg/Kg
BB69536	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	782	4.1	63	63	mg/Kg
BB69536	LANDMARK	ZN-SM	Zinc	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	446	4.1	109	109	mg/Kg
BB69537	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Residential	4000	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benz(a)anthracene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	4000	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Residential	3400	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Chrysene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	3400	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	5000	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benzo(b)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	5000	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benzo(k)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1500	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benzo(k)fluoranthene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1500	270	800	800	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	3600	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Benzo(a)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	3600	270	1000	1000	ug/Kg
BB69537	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Residential	1200	270	500	500	ug/Kg
BB69537	LANDMARK	$8270-SMR	Indeno(1,2,3-cd)pyrene	mg/kg	NY	375-6.8 Semivolatiles	Unrestricted Use Soil	1200	270	500	500	ug/Kg
BB69537	LANDMARK	$PEST_SMR	4,4' -DDE	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	7.0	3.1	3.3	3.3	ug/Kg
BB69537	LANDMARK	$PEST_SMR	Dieldrin	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	15	1.2	5	5	ug/Kg
BB69537	LANDMARK	$PEST_SMR	4,4' -DDD	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	3.6	3.1	3.3	3.3	ug/Kg
BB69537	LANDMARK	$PEST_SMR	4,4' -DDT	mg/kg	NY	375-6.8 Pcbs/pesticides	Unrestricted Use Soil	33	3.1	3.3	3.3	ug/Kg
BB69537	LANDMARK	PB-SM	Lead	mg/kg	NY	375-6.8 Metals	Unrestricted Use Soil	205	0.39	63	63	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 3.8 Pg 1 of 1

Data Delivery: ☒ Fax # ☒ Email 919@Landmarkconsult.com

Customer: Landmark Consultants Corp
Address: 528 Leonard St, Brooklyn, NY 11222

Project: 45 Indiana St, Brooklyn
Report to: 919@landmarkconsult.com
Invoice to: Landmark

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/31/12

Analysis Request: NYS 1,4 Dioxane 8260 / NYS 8260 Full List / NYS 8270 / NYS PAH 8270 / NYS Pest/PCB 8081 / NYS 8151 / NYS TPH 8015 / NYS VOC 8260

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	NYS 1,4 Dioxane 8260	NYS 8260 Full List	NYS 8270	NYS PAH 8270	NYS Pest/PCB 8081	NYS 8151	NYS TPH 8015	NYS VOC 8260	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
1	MW#1 0'-5'	S	3/31/12	11:30		X	X	X								69528						
2	MW#1 5'-11'	S	3/31/12	11:45		X	X	X								69529						
3	MW#1 0'-5'	S	3/31/12	1:32	X											69530						
4	MW#1 5'-11'	S	"	1:41	X											69531						
5	MW#2 0'-5'	S	"	2:45		X	X	X								69532						
6	MW#2 5'-11'	S	"	3:00		X	X	X								69533						
7	MW#2 0'-5'	S	"	3:47	X											69534						
8	MW#2 5'-11'	S	"	3:05	X											69535						
9	MW#3 0'-5'	S	"	1:30		X	X	X								69536						
10	MW#3 5'-11'	S	"	1:45		X	X	X								69537						
11	MW#3 0'-5'	S	"	1:35	X											69538						
12	MW#3 5'-11'	S	"	1:50	X										✓	69539						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4/7/12	7:00 pm
[signature]	J Paradise	4-9-12	16:14

Turnaround:
- ☐ 1 Day*
- ☐ 2 Days*
- ☐ 3 Days*
- ☐ Standard
- ☒ Other

* SURCHARGE APPLIES

NJ
- ☐ Res. Criteria
- ☐ Non-Res. Criteria
- ☐ Impact to GW Soil Cleanup Criteria
- ☐ GW Criteria

NY
- ☐ TAGM 4046 GW
- ☒ TAGM 4046 Soil
- ☐ NY375 Unrestricted Soil
- ☒ NY375 Residential Soil
- ☐ NY375 Restricted Non-Residential Soil

Data Format
- ☒ Phoenix Std Report
- ☒ Excel
- ☒ PDF
- ☐ GIS/Key
- ☐ EQuIS
- ☐ NJ Hazsite EDD
- ☐ NY EZ EDD (ASP)
- ☐ Other

Data Package
- ☐ NJ Reduced Deliv. *
- ☐ NY Enhanced (ASP B) *
- ☐ Other

State where samples were collected: NY

Comments, Special Requirements or Regulations:
* MUST BE ANALYZED BY 4/13/12 *
G = Grab Sample
C = 5 Point Composite Sample

PHOENIX
Environmental Laboratories, Inc.

Wednesday, June 06, 2012

Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Project ID: 45 INDIA ST.
Sample ID#s: BB90183 - BB90186

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

June 06, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	JS	05/23/12	15:30
Location Code:	LANDMARK-B	Received by:	LB	05/25/12	9:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90183
Phoenix ID: BB90183

Project ID: 45 INDIA ST.

Client ID: MW-1

Parameter	Result	RL	Units	Date	Time	By	Reference	
Silver	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Arsenic	< 0.004	0.004	mg/L	05/29/12		LK	6010/200.7	
Beryllium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Cadmium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Chromium	0.014	0.001	mg/L	05/27/12		LK	6010/200.7	
Copper	0.009	0.005	mg/L	05/27/12		LK	6010/200.7	
Mercury	< 0.0002	0.0002	mg/L	05/30/12		RS	SW7470/245.1	
Nickel	0.007	0.001	mg/L	05/27/12		LK	6010/200.7	
Lead	0.004	0.002	mg/L	05/29/12		LK	6010/200.7	B*
Antimony	< 0.005	0.005	mg/L	05/27/12		LK	6010/200.7	
Selenium	< 0.10	0.10	mg/L	05/27/12		LK	6010/200.7	
Thallium	< 0.002	0.002	mg/L	05/30/12		RS	SW7010/200.9	
Total Metals Digestion	Completed			05/25/12		AG		
Zinc	0.049	0.002	mg/L	05/27/12		LK	6010/200.7	
Phenolics	< 0.015	0.015	mg/L	05/29/12		MF/GD	E420.4	
Total Cyanide	< 0.01	0.01	mg/L	05/29/12		O/GD	335.4/9010	
Mercury Digestion	Completed			05/29/12		X/X	SW7470/245.1	
PCB Extraction	Completed			05/25/12		L	SW3510C	
Extraction for Pest (2 Liter)	Completed			05/25/12		L/L	SW3510	
Semi-Volatile Extraction	Completed			05/25/12		F/K/E	SW3520	
Dioxin	ND	10	pg/L	06/04/12		*	1613B/8280	S
Polychlorinated Biphenyls								
PCB-1016	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1221	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1232	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1242	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1248	ND	0.10	ug/L	05/29/12		MH	608/ 8082	

Project ID: 45 INDIA ST.
Client ID: MW-1

Phoenix I.D.: BB90183

Parameter	Result	RL	Units	Date	Time	By	Reference	
PCB-1254	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1260	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1262	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1268	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
QA/QC Surrogates								
% DCBP	57		%	05/29/12		MH	30 - 150 %	
% TCMX	88		%	05/29/12		MH	30 - 150 %	
Pesticides								
4,4'-DDD	ND	0.1	ug/L	05/30/12		KCA	SW8081	
4,4'-DDE	ND	0.1	ug/L	05/30/12		KCA	SW8081	
4,4'-DDT	ND	0.1	ug/L	05/30/12		KCA	SW8081	
a-BHC	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Alachlor	ND	0.1	ug/L	05/30/12		KCA	SW8081	1
Aldrin	ND	0.003	ug/L	05/30/12		KCA	SW8081	
b-BHC	ND	0.01	ug/L	05/30/12		KCA	SW8081	
Chlordane	ND	0.3	ug/L	05/30/12		KCA	SW8081	
d-BHC	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Dieldrin	ND	0.002	ug/L	05/30/12		KCA	SW8081	
Endosulfan I	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Endosulfan II	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endosulfan Sulfate	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endrin	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endrin Aldehyde	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endrin ketone	ND	0.1	ug/L	05/30/12		KCA	SW8081	
g-BHC (Lindane)	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Heptachlor	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Heptachlor epoxide	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Methoxychlor	ND	0.2	ug/L	05/30/12		KCA	SW8081	
Toxaphene	ND	1.0	ug/L	05/30/12		KCA	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	46		%	05/30/12		KCA	30 - 150 %	
%TCMX (Surrogate Rec)	70		%	05/30/12		KCA	30 - 150 %	
Volatile Library Search Top 15	Completed			06/04/12		R/T		1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/27/12		R/J	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	

Project ID: 45 INDIA ST.
Client ID: MW-1

Phoenix I.D.: BB90183

Parameter	Result	RL	Units	Date	Time	By	Reference	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2-Hexanone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Acetone	ND	25	ug/L	05/27/12		R/J	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Benzene	ND	0.70	ug/L	05/27/12		R/J	SW8260	
Bromobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	1F
Bromochloromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Bromoform	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Bromomethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloroform	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Dibromochloromethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Dibromoethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Dibromomethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/27/12		R/J	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Methylene chloride	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Naphthalene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
o-Xylene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Styrene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/27/12		R/J	SW8260	1
Toluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Total Xylenes	ND	1.0	ug/L	05/27/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	

Project ID: 45 INDIA ST. **Phoenix I.D.: BB90183**
Client ID: MW-1

Parameter	Result	RL	Units	Date	Time	By	Reference	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/27/12		RJ	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/27/12		RJ	SW8260	
Trichloroethene	ND	1.0	ug/L	05/27/12		RJ	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/27/12		RJ	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/27/12		RJ	SW8260	1P
Vinyl chloride	ND	1.0	ug/L	05/27/12		RJ	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	05/27/12		RJ	70 - 130 %	
% Bromofluorobenzene	91		%	05/27/12		RJ	70 - 130 %	
% Dibromofluoromethane	99		%	05/27/12		RJ	70 - 130 %	
% Toluene-d8	122		%	05/27/12		RJ	70 - 130 %	
SVOA Library Search Top 25	Completed			05/31/12		DD		1
Semivolatiles								
1,2,4-Trichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,2-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,3-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,4-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2,4,5-Trichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4,6-Trichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dimethylphenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dinitrophenol	ND	50	ug/L	05/30/12		DD	SW8270	
2,4-Dinitrotoluene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2,6-Dinitrotoluene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Chloronaphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Chlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2-Methylnaphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Methylphenol (o-cresol)	ND	10	ug/L	05/30/12		DD	SW8270	
2-Nitroaniline	ND	50	ug/L	05/30/12		DD	SW8270	
2-Nitrophenol	ND	10	ug/L	05/30/12		DD	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	05/30/12		DD	SW8270	
3,3'-Dichlorobenzidine	ND	50	ug/L	05/30/12		DD	SW8270	
3-Nitroaniline	ND	50	ug/L	05/30/12		DD	SW8270	
4,6-Dinitro-2-methylphenol	ND	50	ug/L	05/30/12		DD	SW8270	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
4-Chloro-3-methylphenol	ND	20	ug/L	05/30/12		DD	SW8270	
4-Chloroaniline	ND	20	ug/L	05/30/12		DD	SW8270	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
4-Nitroaniline	ND	20	ug/L	05/30/12		DD	SW8270	
4-Nitrophenol	ND	50	ug/L	05/30/12		DD	SW8270	
Acetophenone	ND	5.0	ug/L	05/30/12		DD	SW8270	
Aniline	ND	10	ug/L	05/30/12		DD	SW8270	10
Anthracene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Azobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	1
Benzidine	ND	50	ug/L	05/30/12		DD	SW8270	
Benzoic acid	ND	50	ug/L	05/30/12		DD	SW8270	1P
Benzyl butyl phthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroethyl)ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	05/30/12		DD	SW8270	

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Parameter	Result	RL	Units	Date	Time	By	Reference
Carbazole	ND	5.0	ug/L	05/30/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	05/30/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	05/30/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	05/30/12		DD	SW8270
Fluorene	ND	5.0	ug/L	05/30/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	05/30/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	05/30/12		DD	SW8270
Isophorone	ND	5.0	ug/L	05/30/12		DD	SW8270
Naphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	05/30/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	05/30/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	05/30/12		DD	SW8270
Phenol	ND	10	ug/L	05/30/12		DD	SW8270
Pyrene	ND	5.0	ug/L	05/30/12		DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	127		%	05/30/12		DD	15 - 130 %
% 2-Fluorobiphenyl	68		%	05/30/12		DD	15 - 130 %
% 2-Fluorophenol	67		%	05/30/12		DD	15 - 130 %
% Nitrobenzene-d5	73		%	05/30/12		DD	15 - 130 %
% Phenol-d5	71		%	05/30/12		DD	15 - 130 %
% Terphenyl-d14	90		%	05/30/12		DD	15 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	05/29/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	05/29/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	05/29/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	05/29/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	05/29/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	05/29/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	05/29/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	05/29/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	05/29/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	05/29/12		DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	127		%	05/29/12		DD	15 - 130 %
% 2-Fluorobiphenyl	68		%	05/29/12		DD	15 - 130 %
% 2-Fluorophenol	67		%	05/29/12		DD	15 - 130 %
% Nitrobenzene-d5	73		%	05/29/12		DD	15 - 130 %
% Phenol-d5	71		%	05/29/12		DD	15 - 130 %

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Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	90		%	05/29/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
S = This parameter is subcontracted.
B* = Present in blank, a bias is possible.

Comments:

* Dioxin analyzed by NY certified lab #11647.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

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Phyllis Shiller

Phyllis Shiller, Laboratory Director
June 06, 2012
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH NELAC NY # 11301

Analysis Report

June 06, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	JS	05/23/12	14:45
Location Code:	LANDMARK-B	Received by:	LB	05/25/12	9:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90183
Phoenix ID: BB90184

Project ID: 45 INDIA ST.

Client ID: MW-2

Parameter	Result	RL	Units	Date	Time	By	Reference	
Silver	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Arsenic	< 0.004	0.004	mg/L	05/27/12		LK	6010/200.7	
Beryllium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Cadmium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Chromium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Copper	< 0.005	0.005	mg/L	05/27/12		LK	6010/200.7	
Mercury	< 0.0002	0.0002	mg/L	05/30/12		RS	SW7470/245.1	
Nickel	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Lead	< 0.002	0.002	mg/L	06/01/12		LK	6010/200.7	6
Antimony	< 0.005	0.005	mg/L	05/27/12		LK	6010/200.7	
Selenium	< 0.10	0.10	mg/L	05/27/12		LK	6010/200.7	
Thallium	< 0.002	0.002	mg/L	05/30/12		RS	SW7010/200.9	
Total Metals Digestion	Completed			05/25/12		AG		
Zinc	0.023	0.002	mg/L	05/27/12		LK	6010/200.7	
Phenolics	< 0.015	0.015	mg/L	05/29/12		MF/GD	E420.4	
Total Cyanide	< 0.01	0.01	mg/L	05/29/12		O/GD	335.4/9010	
Mercury Digestion	Completed			05/29/12		X/X	SW7470/245.1	
PCB Extraction	Completed			05/25/12		L	SW3510C	
Extraction for Pest (2 Liter)	Completed			05/25/12		L/L	SW3510	
Semi-Volatile Extraction	Completed			05/25/12		F/K/E	SW3520	
Dioxin	ND	10	pg/L	06/04/12		*	1613B/8280	8
Polychlorinated Biphenyls								
PCB-1016	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1221	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1232	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1242	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1248	ND	0.10	ug/L	05/29/12		MH	608/ 8082	

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Parameter	Result	RL	Units	Date	Time	By	Reference	
PCB-1254	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1260	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1262	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1268	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
QA/QC Surrogates								
% DCBP	61		%	05/29/12		MH	30 - 150 %	
% TCMX	66		%	05/29/12		MH	30 - 150 %	
Pesticides								
4,4'-DDD	ND	0.1	ug/L	05/30/12		KCA	SW8081	
4,4'-DDE	ND	0.1	ug/L	05/30/12		KCA	SW8081	
4,4'-DDT	ND	0.1	ug/L	05/30/12		KCA	SW8081	
a-BHC	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Alachlor	ND	0.1	ug/L	05/30/12		KCA	SW8081	1
Aldrin	ND	0.003	ug/L	05/30/12		KCA	SW8081	
b-BHC	ND	0.01	ug/L	05/30/12		KCA	SW8081	
Chlordane	ND	0.3	ug/L	05/30/12		KCA	SW8081	
d-BHC	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Dieldrin	ND	0.002	ug/L	05/30/12		KCA	SW8081	
Endosulfan I	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Endosulfan II	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endosulfan Sulfate	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endrin	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endrin Aldehyde	ND	0.1	ug/L	05/30/12		KCA	SW8081	
Endrin ketone	ND	0.1	ug/L	05/30/12		KCA	SW8081	
g-BHC (Lindane)	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Heptachlor	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Heptachlor epoxide	ND	0.05	ug/L	05/30/12		KCA	SW8081	
Methoxychlor	ND	0.2	ug/L	05/30/12		KCA	SW8081	
Toxaphene	ND	1.0	ug/L	05/30/12		KCA	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	60		%	05/30/12		KCA	30 - 150 %	
%TCMX (Surrogate Rec)	58		%	05/30/12		KCA	30 - 150 %	
Volatile Library Search Top 15	Completed			06/04/12		R/T		1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/27/12		R/J	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	

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Client ID: MW-2

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Parameter	Result	RL	Units	Date	Time	By	Reference	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2-Hexanone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Acetone	ND	25	ug/L	05/27/12		R/J	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Benzene	ND	0.70	ug/L	05/27/12		R/J	SW8260	
Bromobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	1P
Bromochloromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Bromoform	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Bromomethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloroform	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Dibromochloromethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Dibromoethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Dibromomethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/27/12		R/J	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Methylene chloride	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Naphthalene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
o-Xylene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Styrene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/27/12		R/J	SW8260	1
Toluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Total Xylenes	ND	1.0	ug/L	05/27/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	

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Client ID: MW-2

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Parameter	Result	RL	Units	Date	Time	By	Reference	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/27/12		RJ	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/27/12		RJ	SW8260	
Trichloroethene	ND	1.0	ug/L	05/27/12		RJ	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/27/12		RJ	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/27/12		RJ	SW8260	1P
Vinyl chloride	ND	1.0	ug/L	05/27/12		RJ	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	05/27/12		RJ	70 - 130 %	
% Bromofluorobenzene	93		%	05/27/12		RJ	70 - 130 %	
% Dibromofluoromethane	100		%	05/27/12		RJ	70 - 130 %	
% Toluene-d8	116		%	05/27/12		RJ	70 - 130 %	
SVOA Library Search Top 25	Completed			05/31/12		DD		1
Semivolatiles								
1,2,4-Trichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,2-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,3-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,4-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2,4,5-Trichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4,6-Trichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dimethylphenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dinitrophenol	ND	50	ug/L	05/30/12		DD	SW8270	
2,4-Dinitrotoluene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2,6-Dinitrotoluene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Chloronaphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Chlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2-Methylnaphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Methylphenol (o-cresol)	ND	10	ug/L	05/30/12		DD	SW8270	
2-Nitroaniline	ND	50	ug/L	05/30/12		DD	SW8270	
2-Nitrophenol	ND	10	ug/L	05/30/12		DD	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	05/30/12		DD	SW8270	
3,3'-Dichlorobenzidine	ND	50	ug/L	05/30/12		DD	SW8270	
3-Nitroaniline	ND	50	ug/L	05/30/12		DD	SW8270	
4,6-Dinitro-2-methylphenol	ND	50	ug/L	05/30/12		DD	SW8270	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
4-Chloro-3-methylphenol	ND	20	ug/L	05/30/12		DD	SW8270	
4-Chloroaniline	ND	20	ug/L	05/30/12		DD	SW8270	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
4-Nitroaniline	ND	20	ug/L	05/30/12		DD	SW8270	
4-Nitrophenol	ND	50	ug/L	05/30/12		DD	SW8270	
Acetophenone	ND	5.0	ug/L	05/30/12		DD	SW8270	
Aniline	ND	10	ug/L	05/30/12		DD	SW8270	10
Anthracene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Azobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	1
Benzidine	ND	50	ug/L	05/30/12		DD	SW8270	
Benzoic acid	ND	50	ug/L	05/30/12		DD	SW8270	1P
Benzyl butyl phthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroethyl)ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	05/30/12		DD	SW8270	

Project ID: 45 INDIA ST.
Client ID: MW-2

Phoenix I.D.: BB90184

Parameter	Result	RL	Units	Date	Time	By	Reference	
Carbazole	ND	5.0	ug/L	05/30/12		DD	SW8270	
Dibenzofuran	ND	5.0	ug/L	05/30/12		DD	SW8270	
Diethyl phthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Dimethylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Di-n-butylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Di-n-octylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Fluoranthene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Fluorene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Hexachlorobutadiene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Hexachlorocyclopentadiene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Isophorone	ND	5.0	ug/L	05/30/12		DD	SW8270	
Naphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Nitrobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
N-Nitrosodimethylamine	ND	5.0	ug/L	05/30/12		DD	SW8270	
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	05/30/12		DD	SW8270	
N-Nitrosodiphenylamine	ND	5.0	ug/L	05/30/12		DD	SW8270	
Phenol	ND	10	ug/L	05/30/12		DD	SW8270	
Pyrene	ND	5.0	ug/L	05/30/12		DD	SW8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95		%	05/30/12		DD	15 - 130 %	
% 2-Fluorobiphenyl	69		%	05/30/12		DD	15 - 130 %	
% 2-Fluorophenol	33		%	05/30/12		DD	15 - 130 %	
% Nitrobenzene-d5	76		%	05/30/12		DD	15 - 130 %	
% Phenol-d5	12		%	05/30/12		DD	15 - 130 %	3
% Terphenyl-d14	110		%	05/30/12		DD	15 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	05/29/12		DD	SW8270 (SIM)	
Acenaphthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Acenaphthylene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Benz(a)anthracene	ND	0.040	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(a)pyrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(b)fluoranthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	3.0	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	5.2	1.6	ug/L	05/29/12		DD	SW8270 (SIM)	
Chrysene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	ND	0.010	ug/L	05/29/12		DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.080	ug/L	05/29/12		DD	SW8270 (SIM)	
Hexachloroethane	ND	2.4	ug/L	05/29/12		DD	SW8270 (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Pentachloronitrobenzene	ND	0.10	ug/L	05/29/12		DD	SW8270 (SIM)	10
Pentachlorophenol	ND	0.80	ug/L	05/29/12		DD	SW8270 (SIM)	
Phenanthrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Pyridine	ND	0.50	ug/L	05/29/12		DD	SW8270 (SIM)	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95		%	05/29/12		DD	15 - 130 %	
% 2-Fluorobiphenyl	69		%	05/29/12		DD	15 - 130 %	
% 2-Fluorophenol	33		%	05/29/12		DD	15 - 130 %	
% Nitrobenzene-d5	76		%	05/29/12		DD	15 - 130 %	
% Phenol-d5	12		%	05/29/12		DD	15 - 130 %	3

Project ID: 45 INDIA ST.
Client ID: MW-2

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Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	110		%	05/29/12		DD	16 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
3 = This parameter exceeds laboratory specified limits.
S = This parameter is subcontracted.
B = Present in blank, no bias suspected.

Comments:

* Dioxin analyzed by NY certified lab #11647.
* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
June 06, 2012
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 06, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	JS	05/23/12	14:00
Location Code:	LANDMARK-B	Received by:	LB	05/25/12	9:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90183
Phoenix ID: BB90185

Project ID: 45 INDIA ST.
Client ID: MW-3

Parameter	Result	RL	Units	Date	Time	By	Reference	
Silver	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Arsenic	< 0.004	0.004	mg/L	05/27/12		LK	6010/200.7	
Beryllium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Cadmium	< 0.001	0.001	mg/L	05/27/12		LK	6010/200.7	
Chromium	0.007	0.001	mg/L	05/27/12		LK	6010/200.7	
Copper	0.005	0.005	mg/L	05/27/12		LK	6010/200.7	
Mercury	< 0.0002	0.0002	mg/L	05/30/12		RS	SW7470/245.1	
Nickel	0.002	0.001	mg/L	05/27/12		LK	6010/200.7	
Lead	0.005	0.002	mg/L	05/28/12		LK	6010/200.7	B'
Antimony	< 0.005	0.005	mg/L	05/27/12		LK	6010/200.7	
Selenium	< 0.10	0.10	mg/L	05/27/12		LK	6010/200.7	
Thallium	< 0.002	0.002	mg/L	05/30/12		RS	SW7010/200.9	
Total Metals Digestion	Completed			05/25/12		AG		
Zinc	0.031	0.002	mg/L	05/27/12		LK	6010/200.7	
Phenolics	< 0.015	0.015	mg/L	05/29/12		MF/GD	E420.4	
Total Cyanide	< 0.01	0.01	mg/L	05/29/12		O/GD	335.4/9010	
Mercury Digestion	Completed			05/29/12		X/X	SW7470/245.1	
PCB Extraction	Completed			05/25/12		L	SW3510C	
Extraction for Pest (2 Liter)	Completed			05/25/12		L/L	SW3510	
Semi-Volatile Extraction	Completed			05/25/12		F/K/E	SW3520	
Dioxin	ND	10	pg/L	06/04/12		*	1613B/8280	S
Polychlorinated Biphenyls								
PCB-1016	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1221	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1232	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1242	ND	0.10	ug/L	05/29/12		MH	608/ 8082	
PCB-1248	ND	0.10	ug/L	05/29/12		MH	608/ 8082	

Project ID: 45 INDIA ST.
Client ID: MW-3

Phoenix I.D.: BB90185

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1254	ND	0.10	ug/L	05/29/12		MH	608/ 8082
PCB-1260	ND	0.10	ug/L	05/29/12		MH	608/ 8082
PCB-1262	ND	0.10	ug/L	05/29/12		MH	608/ 8082
PCB-1268	ND	0.10	ug/L	05/29/12		MH	608/ 8082
QA/QC Surrogates							
% DCBP	68		%	05/29/12		MH	30 - 150 %
% TCMX	75		%	05/29/12		MH	30 - 150 %
Pesticides							
4,4'-DDD	ND	0.1	ug/L	05/30/12		KCA	SW8081
4,4'-DDE	ND	0.1	ug/L	05/30/12		KCA	SW8081
4,4'-DDT	ND	0.1	ug/L	05/30/12		KCA	SW8081
a-BHC	ND	0.05	ug/L	05/30/12		KCA	SW8081
Alachlor	ND	0.1	ug/L	05/30/12		KCA	SW8081 1
Aldrin	ND	0.003	ug/L	05/30/12		KCA	SW8081
b-BHC	ND	0.01	ug/L	05/30/12		KCA	SW8081
Chlordane	ND	0.3	ug/L	05/30/12		KCA	SW8081
d-BHC	ND	0.05	ug/L	05/30/12		KCA	SW8081
Dieldrin	ND	0.002	ug/L	05/30/12		KCA	SW8081
Endosulfan I	ND	0.05	ug/L	05/30/12		KCA	SW8081
Endosulfan II	ND	0.1	ug/L	05/30/12		KCA	SW8081
Endosulfan Sulfate	ND	0.1	ug/L	05/30/12		KCA	SW8081
Endrin	ND	0.1	ug/L	05/30/12		KCA	SW8081
Endrin Aldehyde	ND	0.1	ug/L	05/30/12		KCA	SW8081
Endrin ketone	ND	0.1	ug/L	05/30/12		KCA	SW8081
g-BHC (Lindane)	ND	0.05	ug/L	05/30/12		KCA	SW8081
Heptachlor	ND	0.05	ug/L	05/30/12		KCA	SW8081
Heptachlor epoxide	ND	0.05	ug/L	05/30/12		KCA	SW8081
Methoxychlor	ND	0.2	ug/L	05/30/12		KCA	SW8081
Toxaphene	ND	1.0	ug/L	05/30/12		KCA	SW8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	70		%	05/30/12		KCA	30 - 150 %
%TCMX (Surrogate Rec)	80		%	05/30/12		KCA	30 - 150 %
Volatile Library Search Top 15	Completed			06/04/12		R/T	1
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	05/27/12		R/J	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	05/27/12		R/J	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260

Project ID: 45 INDIA ST.
Client ID: MW-3

Phoenix I.D.: BB90185

Parameter	Result	RL	Units	Date	Time	By	Reference	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
2-Hexanone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Acetone	ND	25	ug/L	05/27/12		R/J	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Benzene	ND	0.70	ug/L	05/27/12		R/J	SW8260	
Bromobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	IP
Bromochloromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Bromoform	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Bromomethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloroethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloroform	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Chloromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Dibromochloromethane	ND	0.50	ug/L	05/27/12		R/J	SW8260	
Dibromoethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Dibromomethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/27/12		R/J	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/27/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Methylene chloride	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Naphthalene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
o-Xylene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Styrene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/27/12		R/J	SW8260	1
Toluene	ND	1.0	ug/L	05/27/12		R/J	SW8260	
Total Xylenes	ND	1.0	ug/L	05/27/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/27/12		R/J	SW8260	

Project ID: 45 INDIA ST.
Client ID: MW-3

Phoenix I.D.: BB90185

Parameter	Result	RL	Units	Date	Time	By	Reference	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/27/12		RJ	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/27/12		RJ	SW8260	
Trichloroethene	ND	1.0	ug/L	05/27/12		RJ	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/27/12		RJ	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/27/12		RJ	SW8260	IP
Vinyl chloride	ND	1.0	ug/L	05/27/12		RJ	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	05/27/12		RJ	70 - 130 %	
% Bromofluorobenzene	93		%	05/27/12		RJ	70 - 130 %	
% Dibromofluoromethane	99		%	05/27/12		RJ	70 - 130 %	
% Toluene-d8	100		%	05/27/12		RJ	70 - 130 %	
SVOA Library Search Top 25	Completed			05/31/12		DD		1
Semivolatiles								
1,2,4-Trichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,2-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,3-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
1,4-Dichlorobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2,4,5-Trichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4,6-Trichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dichlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dimethylphenol	ND	10	ug/L	05/30/12		DD	SW8270	
2,4-Dinitrophenol	ND	50	ug/L	05/30/12		DD	SW8270	
2,4-Dinitrotoluene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2,6-Dinitrotoluene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Chloronaphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Chlorophenol	ND	10	ug/L	05/30/12		DD	SW8270	
2-Methylnaphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
2-Methylphenol (o-cresol)	ND	10	ug/L	05/30/12		DD	SW8270	
2-Nitroaniline	ND	50	ug/L	05/30/12		DD	SW8270	
2-Nitrophenol	ND	10	ug/L	05/30/12		DD	SW8270	
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	05/30/12		DD	SW8270	
3,3'-Dichlorobenzidine	ND	50	ug/L	05/30/12		DD	SW8270	
3-Nitroaniline	ND	50	ug/L	05/30/12		DD	SW8270	
4,6-Dinitro-2-methylphenol	ND	50	ug/L	05/30/12		DD	SW8270	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
4-Chloro-3-methylphenol	ND	20	ug/L	05/30/12		DD	SW8270	
4-Chloroaniline	ND	20	ug/L	05/30/12		DD	SW8270	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
4-Nitroaniline	ND	20	ug/L	05/30/12		DD	SW8270	
4-Nitrophenol	ND	50	ug/L	05/30/12		DD	SW8270	
Acetophenone	ND	5.0	ug/L	05/30/12		DD	SW8270	
Aniline	ND	10	ug/L	05/30/12		DD	SW8270	ID
Anthracene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Azobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	1
Benzidine	ND	50	ug/L	05/30/12		DD	SW8270	
Benzoic acid	ND	50	ug/L	05/30/12		DD	SW8270	IP
Benzyl butyl phthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroethyl)ether	ND	5.0	ug/L	05/30/12		DD	SW8270	
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	05/30/12		DD	SW8270	

Project ID: 45 INDIA ST.
Client ID: MW-3

Phoenix I.D.: BB90185

Parameter	Result	RL	Units	Date	Time	By	Reference	
Carbazole	ND	5.0	ug/L	05/30/12		DD	SW8270	
Dibenzofuran	ND	5.0	ug/L	05/30/12		DD	SW8270	
Diethyl phthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Dimethylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Di-n-butylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Di-n-octylphthalate	ND	5.0	ug/L	05/30/12		DD	SW8270	
Fluoranthene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Fluorene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Hexachlorobutadiene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Hexachlorocyclopentadiene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Isophorone	ND	5.0	ug/L	05/30/12		DD	SW8270	
Naphthalene	ND	5.0	ug/L	05/30/12		DD	SW8270	
Nitrobenzene	ND	5.0	ug/L	05/30/12		DD	SW8270	
N-Nitrosodimethylamine	ND	5.0	ug/L	05/30/12		DD	SW8270	
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	05/30/12		DD	SW8270	
N-Nitrosodiphenylamine	ND	5.0	ug/L	05/30/12		DD	SW8270	
Phenol	ND	10	ug/L	05/30/12		DD	SW8270	
Pyrene	ND	5.0	ug/L	05/30/12		DD	SW8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	123		%	05/30/12		DD	15 - 130 %	
% 2-Fluorobiphenyl	74		%	05/30/12		DD	15 - 130 %	
% 2-Fluorophenol	69		%	05/30/12		DD	15 - 130 %	
% Nitrobenzene-d5	82		%	05/30/12		DD	15 - 130 %	
% Phenol-d5	72		%	05/30/12		DD	15 - 130 %	
% Terphenyl-d14	115		%	05/30/12		DD	15 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	05/29/12		DD	SW8270 (SIM)	
Acenaphthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Acenaphthylene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Benz(a)anthracene	ND	0.040	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(a)pyrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(b)fluoranthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(ghi)perylene	ND	3.0	ug/L	05/29/12		DD	SW8270 (SIM)	
Benzo(k)fluoranthene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Bis(2-ethylhexyl)phthalate	3.7	1.6	ug/L	05/29/12		DD	SW8270 (SIM)	
Chrysene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Dibenz(a,h)anthracene	ND	0.010	ug/L	05/29/12		DD	SW8270 (SIM)	
Hexachlorobenzene	ND	0.060	ug/L	05/29/12		DD	SW8270 (SIM)	
Hexachloroethane	ND	2.4	ug/L	05/29/12		DD	SW8270 (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Pentachloronitrobenzene	ND	0.10	ug/L	05/29/12		DD	SW8270 (SIM)	IO
Pentachlorophenol	ND	0.80	ug/L	05/29/12		DD	SW8270 (SIM)	
Phenanthrene	ND	0.050	ug/L	05/29/12		DD	SW8270 (SIM)	
Pyridine	ND	0.50	ug/L	05/29/12		DD	SW8270 (SIM)	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	123		%	05/29/12		DD	15 - 130 %	
% 2-Fluorobiphenyl	74		%	05/29/12		DD	15 - 130 %	
% 2-Fluorophenol	69		%	05/29/12		DD	15 - 130 %	
% Nitrobenzene-d5	82		%	05/29/12		DD	15 - 130 %	
% Phenol-d5	72		%	05/29/12		DD	15 - 130 %	

Project ID: 45 INDIA ST.
Client ID: MW-3

Phoenix I.D.: BB90185

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	115		%	05/29/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
S = This parameter is subcontracted.
B* = Present in blank, a bias is possible.

Comments:

* Dioxin analyzed by NY certified lab #11647.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quanitation)

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Phyllis Shiller, Laboratory Director
June 06, 2012
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

June 06, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	JS	05/23/12	0:00
Location Code:	LANDMARK-B	Received by:	LB	05/25/12	9:35
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB90183
Phoenix ID: BB90186

Project ID: 45 INDIA ST.
Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference	
Volatile Library Search Top 15	Completed			06/04/12		R/T		1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,1,2,2-Tetrachloroethene	ND	0.50	ug/L	05/26/12		R/J	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	05/26/12		R/J	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
2-Hexanone	ND	5.0	ug/L	05/26/12		R/J	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	05/26/12		R/J	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	05/26/12		R/J	SW8260	

Project ID: 45 INDIA ST.
Client ID: TRIP BLANK

Phoenix I.D.: BB90186

Parameter	Result	RL	Units	Date	Time	By	Reference	
Acetone	ND	25	ug/L	05/26/12		R/J	SW8260	
Acrylonitrile	ND	5.0	ug/L	05/26/12		R/J	SW8260	
Benzene	ND	0.70	ug/L	05/26/12		R/J	SW8260	
Bromobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	1P
Bromochloromethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Bromodichloromethane	ND	0.50	ug/L	05/26/12		R/J	SW8260	
Bromoform	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Bromomethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Carbon Disulfide	ND	5.0	ug/L	05/26/12		R/J	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Chlorobenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Chloroethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Chloroform	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Chloromethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
cis-1,3-Dichloropropene	ND	0.50	ug/L	05/26/12		R/J	SW8260	
Dibromochloromethane	ND	0.50	ug/L	05/26/12		R/J	SW8260	
Dibromoethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Dibromomethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Ethylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	05/26/12		R/J	SW8260	
Isopropylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
m&p-Xylene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	05/26/12		R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Methylene chloride	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Naphthalene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
n-Butylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
n-Propylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
o-Xylene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Styrene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Tetrachloroethene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Tetrahydrofuran (THF)	ND	5.0	ug/L	05/26/12		R/J	SW8260	1
Toluene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Total Xylenes	ND	1.0	ug/L	05/26/12		R/J	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
trans-1,3-Dichloropropene	ND	0.50	ug/L	05/26/12		R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	05/26/12		R/J	SW8260	
Trichloroethene	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	05/26/12		R/J	SW8260	1P
Vinyl chloride	ND	1.0	ug/L	05/26/12		R/J	SW8260	
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102		%	05/26/12		R/J	70 - 130 %	
% Bromofluorobenzene	94		%	05/26/12		R/J	70 - 130 %	
% Dibromofluoromethane	105		%	05/26/12		R/J	70 - 130 %	

Project ID: 45 INDIA ST.
Client ID: TRIP BLANK

Phoenix I.D.: BB90186

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	05/26/12		RJ	70 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.

Comments:

TRIP BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director
June 06, 2012
Reviewed and Released by: Bobbi Aloisa, Vice President

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
MW-1

Lab Name: Phoenix Environmental Labs Client: LANDMARK-B

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBB90183

Matrix:(soil/water) WATER Lab Sample ID: BB90183

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0525S62.D

Level: (low/med) Low Date Received: 05/25/12

% Moisture: not dec. 100 Date Analyzed: 05/27/12

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
MW-2

Lab Name: Phoenix Environmental Labs Client: LANDMARK-B

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBB90183

Matrix:(soil/water) WATER Lab Sample ID: BB90184

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0525S63.D

Level: (low/med) Low Date Received: 05/25/12

% Moisture: not dec. 100 Date Analyzed: 05/27/12

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
MW-3

Lab Name: Phoenix Environmental Labs Client: LANDMARK-B

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBB90183

Matrix:(soil/water) WATER Lab Sample ID: BB90185

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0525S64.D

Level: (low/med) Low Date Received: 05/25/12

% Moisture: not dec. 100 Date Analyzed: 05/27/12

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
TRIP BLANK

Lab Name: Phoenix Environmental Labs Client: LANDMARK-B

Lab Code: Phoenix Case No.: _____ SAS No.: _____ SDG No.: GBB90183

Matrix:(soil/water) WATER Lab Sample ID: BB90186

Sample wt/vol: 25 (g/mL) mL Lab File ID: 0525S30.D

Level: (low/med) Low Date Received: 05/25/12

% Moisture: not dec. 100 Date Analyzed: 05/26/12

GC Column: rtx-vms ID: 0.18 (mm) Dilution Factor: 1

Purge Volume 25000 (uL) Soil Aliquot Vol (uL): n.a.

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I VOA-TIC

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
MW-2

Lab Name: Phoenix Environmental Labs Client: LANDMARK-B

Lab Code: Phoenix Case No.: SAS No.: SDG No.: GBB90183

Matrix(soil/water) WATER Lab Sample ID: BB90184

Sample wt/vol: 1000 (g/mL) mL Lab File ID: 0530_14.D

Level: (low/med) Low Date Received: 05/25/12

% Moisture: not dec. 100 decanted:(Y/N) NA Date Extracted: 05/25/12

GPC Cleanup (Y/N): N pH: NA Date Analyzed: 5/30/2012

Conc. Extract Volume: 1000 (uL) Dilution Factor 1

Injection Volume: 2 (uL)

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

Number TICs found: 8

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000541-35-5	Butanamide	2.580	4.1	JN
000623-55-2	3-Hexanol, 5-methyl-	4.840	8.6	JN
028634-89-1	Bicyclo[3.1.0]hex-2-ene, 4-methyl-	11.820	9.4	JN
000100-23-2	Benzenamine, N,N-dimethyl-4-nitro-	12.960	4.6	JN
000112-73-2	Butane, 1,1'-[oxybis(2,1-ethanediy	18.940	6.1	JN
017312-57-1	Dodecane, 3-methyl-	19.920	7.9	JN
	unknown	20.960	8.2	JN
054767-36-1	Silane, [(5-methoxypentyl)oxy]trim	22.410	6	JN

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID
MW-3

Lab Name: Phoenix Environmental Labs
Client: LANDMARK-B
Lab Code: Phoenix Case No.:
SAS No.:
SDG No.: GBB90183
Matrix:(soil/water) WATER
Lab Sample ID: BB90185
Sample wt/vol: 1000 (g/mL) mL
Lab File ID: 0530_15.D
Level: (low/med) Low
Date Received: 05/25/12
% Moisture: not dec. 100 decanted:(Y/N) NA
Date Extracted: 05/25/12
GPC Cleanup (Y/N): N pH: NA
Date Analyzed: 5/30/2012
Conc. Extract Volume: 1000 (uL)
Dilution Factor 1
Injection Volume: 2 (uL)
CONCENTRATION UNITS: (ug/L or ug/KG) ug/L
Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

FORM I SEMIVOA-TIC

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

June 06, 2012

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 201552, QC Sample No: BB89650 (BB90183, BB90184, BB90185)												
Mercury - Water	BDL	<0.0002	<0.0002	NC	97.1	96.4	0.7	98.6	98.6	0.0	70 - 130	20
QA/QC Batch 201416, QC Sample No: BB89896 (BB90183, BB90184, BB90185)												
Thallium - Water	BDL	<0.001	<0.001	NC	115	115	0.0	115	111	3.5	75 - 125	20
QA/QC Batch 201418, QC Sample No: BB90040 (BB90183, BB90184, BB90185)												
ICP Metals - Aqueous												
Antimony	BDL	<0.005	<0.005	NC	104	101	2.9	99.7	103	3.3	75 - 125	20
Arsenic	BDL	0.004	<0.004	NC	106	102	3.8	102	105	2.9	75 - 125	20
Beryllium	BDL	<0.001	<0.001	NC	108	105	2.8	104	106	1.9	75 - 125	20
Cadmium	BDL	<0.001	<0.001	NC	111	107	3.7	105	108	2.8	75 - 125	20
Chromium	BDL	<0.001	<0.001	NC	109	105	3.7	104	108	3.8	75 - 125	20
Copper	BDL	0.264	0.254	3.90	111	107	3.7	105	109	3.7	75 - 125	20
Lead	0.004	0.008	0.007	NC	108	104	3.8	104	107	2.8	75 - 125	20
Nickel	BDL	0.003	0.003	NC	107	104	2.8	102	106	3.8	75 - 125	20
Selenium	BDL	<0.010	<0.010	NC	103	101	2.0	99.9	104	4.0	75 - 125	20
Silver	BDL	<0.002	<0.001	NC	106	102	3.8	102	105	3.8	75 - 125	20
Zinc	BDL	1.30	1.25	3.90	111	107	3.7	91.6	96.9	5.6	75 - 125	20

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ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

June 06, 2012

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 201612, QC Sample No: BB89671 (BB90183, BB90184, BB90185)												
Total Cyanide	BDL	<0.01	<0.01	NC	98.7			101			85 - 115	20
QA/QC Batch 201670, QC Sample No: BB90184 (BB90183, BB90184, BB90185)												
Phenolics	BDL	<0.015	<0.015	NC	93.0			83.0			85 - 115	20

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ACCREDITED IN ACCORDANCE WITH NYSDOH
NY # 11301

QA/QC Report

June 06, 2012

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 201292, QC Sample No: BB89066 (BB90183, BB90184, BB90185)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	75	89	17.1				40 - 140	20	
PCB-1221	ND							40 - 140	20	
PCB-1232	ND							40 - 140	20	
PCB-1242	ND							40 - 140	20	
PCB-1248	ND							40 - 140	20	
PCB-1254	ND							40 - 140	20	
PCB-1260	ND	73	83	12.8				40 - 140	20	
PCB-1262	ND							40 - 140	20	
PCB-1268	ND							40 - 140	20	
% DCBP (Surrogate Rec)	45	55	60	8.7				30 - 150	20	
% TCMX (Surrogate Rec)	94	77	94	19.9				30 - 150	20	
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 201488, QC Sample No: BB90139 (BB90183, BB90184, BB90185)										
Semivolatiles - Ground Water										
1,2,4,5-Tetrachlorobenzene	ND	70	68	2.9				30 - 130	20	
1,2,4-Trichlorobenzene	ND	67	66	1.5				30 - 130	20	
1,2-Dichlorobenzene	ND	71	70	1.4				30 - 130	20	
1,3-Dichlorobenzene	ND	70	69	1.4				30 - 130	20	
1,4-Dichlorobenzene	ND	71	69	2.9				30 - 130	20	
2,4,5-Trichlorophenol	ND	77	77	0.0				30 - 130	20	
2,4,6-Trichlorophenol	ND	76	74	2.7				30 - 130	20	
2,4-Dichlorophenol	ND	73	73	0.0				30 - 130	20	
2,4-Dimethylphenol	ND	46	46	0.0				30 - 130	20	
2,4-Dinitrophenol	ND	25	40	46.2				30 - 130	20	I,r
2,4-Dinitrotoluene	ND	76	79	3.9				30 - 130	20	
2,6-Dinitrotoluene	ND	77	77	0.0				30 - 130	20	
2-Chloronaphthalene	ND	71	69	2.9				30 - 130	20	
2-Chlorophenol	ND	71	70	1.4				30 - 130	20	
2-Methylnaphthalene	ND	71	69	2.9				30 - 130	20	
2-Methylphenol (o-cresol)	ND	72	71	1.4				30 - 130	20	
2-Nitroaniline	ND	>150	>150	NC				30 - 130	20	I
2-Nitrophenol	ND	72	75	4.1				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	72	72	0.0				30 - 130	20	
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				30 - 130	20	
3-Nitroaniline	ND	>150	>150	NC				30 - 130	20	I
4,6-Dinitro-2-methylphenol	ND	50	69	31.9				30 - 130	20	r
4-Bromophenyl phenyl ether	ND	74	72	2.7				30 - 130	20	
4-Chloro-3-methylphenol	ND	78	79	1.3				30 - 130	20	
4-Chloroaniline	ND	63	61	3.2				30 - 130	20	

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Chlorophenyl phenyl ether	ND	75	73	2.7				30 - 130	20	
4-Nitroaniline	ND	81	80	1.2				30 - 130	20	
4-Nitrophenol	ND	83	78	6.2				30 - 130	20	
Acenaphthene	ND	74	70	5.6				30 - 130	20	
Acenaphthylene	ND	72	70	2.8				30 - 130	20	
Acetophenone	ND	75	75	0.0				30 - 130	20	
Aniline	ND	N/A	N/A	NC				30 - 130	20	
Anthracene	ND	74	72	2.7				30 - 130	20	
Azobenzene	ND	78	76	2.6				30 - 130	20	
Benz(a)anthracene	ND	80	78	2.5				30 - 130	20	
Benzidine	ND	N/A	N/A	NC				30 - 130	20	
Benzo(a)pyrene	ND	67	66	1.5				30 - 130	20	
Benzo(b)fluoranthene	ND	75	73	2.7				30 - 130	20	
Benzo(ghi)perylene	ND	71	69	2.9				30 - 130	20	
Benzo(k)fluoranthene	ND	74	73	1.4				30 - 130	20	
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20	
Benzyl butyl phthalate	ND	84	83	1.2				30 - 130	20	
Bis(2-chloroethoxy)methane	ND	75	72	4.1				30 - 130	20	
Bis(2-chloroethyl)ether	ND	74	76	2.7				30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	75	74	1.3				30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	83	82	1.2				30 - 130	20	
Carbazole	ND	143	139	2.8				30 - 130	20	I
Chrysene	ND	75	74	1.3				30 - 130	20	
Dibenz(a,h)anthracene	ND	67	67	0.0				30 - 130	20	
Dibenzofuran	ND	72	71	1.4				30 - 130	20	
Diethyl phthalate	ND	83	80	3.7				30 - 130	20	
Dimethylphthalate	ND	78	77	1.3				30 - 130	20	
Di-n-butylphthalate	ND	89	85	4.6				30 - 130	20	
Di-n-octylphthalate	ND	81	80	1.2				30 - 130	20	
Fluoranthene	ND	74	72	2.7				30 - 130	20	
Fluorene	ND	75	72	4.1				30 - 130	20	
Hexachlorobenzene	ND	80	78	2.5				30 - 130	20	
Hexachlorobutadiene	ND	71	68	4.3				30 - 130	20	
Hexachlorocyclopentadiene	ND	23	33	35.7				30 - 130	20	Ir
Hexachloroethane	ND	70	70	0.0				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	69	68	1.5				30 - 130	20	
Isophorone	ND	77	76	1.3				30 - 130	20	
Naphthalene	ND	71	70	1.4				30 - 130	20	
Nitrobenzene	ND	79	79	0.0				30 - 130	20	
N-Nitrosodimethylamine	ND	62	63	1.6				30 - 130	20	
N-Nitrosodi-n-propylamine	ND	80	81	1.2				30 - 130	20	
N-Nitrosodiphenylamine	ND	87	85	2.3				30 - 130	20	
Pentachloronitrobenzene	ND	>150	>150	NC				30 - 130	20	I
Pentachlorophenol	ND	73	73	0.0				30 - 130	20	
Phenanthrene	ND	76	75	1.3				30 - 130	20	
Phenol	ND	69	70	1.4				30 - 130	20	
Pyrene	ND	77	74	4.0				30 - 130	20	
Pyridine	ND	<5	<5	NC				30 - 130	20	I
% 2,4,6-Tribromophenol	115	78	78	0.0				15 - 130	20	
% 2-Fluorobiphenyl	68	63	61	3.2				30 - 130	20	
% 2-Fluorophenol	70	60	59	1.7				15 - 130	20	
% Nitrobenzene-d5	74	73	73	0.0				30 - 130	20	
% Phenol-d5	75	65	64	1.6				15 - 130	20	

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Terphenyl-d14	101	70	68	2.9				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 201462, QC Sample No: BB90183 (BB90183, BB90184, BB90185)

Pesticides - Ground Water

4,4'-DDD	ND	92	84	9.1				40 - 140	20
4,4'-DDE	ND	101	95	6.1				40 - 140	20
4,4'-DDT	ND	110	105	4.7				40 - 140	20
a-BHC	ND	88	86	2.3				40 - 140	20
a-Chlordane	ND	94	91	3.2				40 - 140	20
Alachlor	ND	N/A	N/A	NC				40 - 140	20
Aldrin	ND	77	78	1.3				40 - 140	20
b-BHC	ND	84	73	14.0				40 - 140	20
Chlordane	ND	N/A	N/A	NC				40 - 140	20
d-BHC	ND	94	86	8.9				40 - 140	20
Dieldrin	ND	96	92	4.3				40 - 140	20
Endosulfan I	ND	94	92	2.2				40 - 140	20
Endosulfan II	ND	94	91	3.2				40 - 140	20
Endosulfan sulfate	ND	103	99	4.0				40 - 140	20
Endrin	ND	92	88	4.4				40 - 140	20
Endrin aldehyde	ND	106	101	4.8				40 - 140	20
Endrin ketone	ND	100	98	2.0				40 - 140	20
g-BHC	ND	83	84	1.2				40 - 140	20
g-Chlordane	ND	90	86	4.5				40 - 140	20
Heptachlor	ND	83	82	1.2				40 - 140	20
Heptachlor epoxide	ND	89	85	4.6				40 - 140	20
Methoxychlor	ND	105	89	16.5				40 - 140	20
Toxaphene	ND	N/A	N/A	NC				40 - 140	20
% DCBP	91	100	98	2.0				30 - 150	20
% TCMX	80	88	85	3.5				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

QA/QC Batch 201571, QC Sample No: BB90186 (BB90186)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	113	109	3.6	108	105	2.8	70 - 130	30
1,1,1-Trichloroethane	ND	106	98	7.8	109	96	12.7	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	107	106	0.9	103	104	1.0	70 - 130	30
1,1,2-Trichloroethane	ND	119	113	5.2	111	108	2.7	70 - 130	30
1,1-Dichloroethane	ND	107	101	5.8	103	96	7.0	70 - 130	30
1,1-Dichloroethene	ND	104	97	7.0	109	98	10.6	70 - 130	30
1,1-Dichloropropene	ND	106	98	7.8	104	95	9.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	125	124	0.8	113	110	2.7	70 - 130	30
1,2,3-Trichloropropane	ND	106	102	3.8	99	104	4.9	70 - 130	30
1,2,4-Trichlorobenzene	ND	119	116	2.6	109	107	0.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	109	103	5.7	105	95	10.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	118	118	0.0	107	111	3.7	70 - 130	30
1,2-Dichlorobenzene	ND	105	102	2.9	104	102	1.9	70 - 130	30
1,2-Dichloroethane	ND	94	90	4.3	92	87	5.6	70 - 130	30
1,2-Dichloropropane	ND	110	103	6.6	103	97	6.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	108	100	7.7	103	96	7.0	70 - 130	30
1,3-Dichlorobenzene	ND	108	104	3.8	106	100	5.9	70 - 130	30

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichloropropane	ND	113	112	0.9	108	107	0.9	70 - 130	30	
1,4-Dichlorobenzene	ND	103	100	3.0	103	98	5.0	70 - 130	30	
2,2-Dichloropropane	ND	<40	<40	NC	<40	<40	NC	70 - 130	30	l,m
2-Chlorotoluene	ND	107	101	5.8	106	98	7.8	70 - 130	30	
2-Hexanone	ND	114	116	1.7	107	110	2.8	70 - 130	30	
2-Isopropyltoluene	ND	105	100	4.9	105	97	7.9	70 - 130	30	
4-Chlorotoluene	ND	102	97	5.0	105	99	5.9	70 - 130	30	
4-Methyl-2-pentanone	ND	116	116	0.0	114	113	0.9	70 - 130	30	
Acetone	ND	114	115	0.9	110	111	0.9	70 - 130	30	
Acrylonitrile	ND	113	112	0.9	102	107	4.8	70 - 130	30	
Benzene	ND	105	98	6.9	99	93	6.3	70 - 130	30	
Bromobenzene	ND	112	105	6.5	106	104	1.9	70 - 130	30	
Bromochloromethane	ND	115	112	2.6	111	106	4.6	70 - 130	30	
Bromodichloromethane	ND	111	105	5.8	108	100	5.8	70 - 130	30	
Bromoform	ND	116	114	1.7	110	109	0.9	70 - 130	30	
Bromomethane	ND	94	119	23.5	127	129	1.6	70 - 130	30	
Carbon Disulfide	ND	100	94	6.2	106	93	13.1	70 - 130	30	
Carbon tetrachloride	ND	104	96	8.0	106	94	12.0	70 - 130	30	
Chlorobenzene	ND	106	102	3.8	107	100	6.8	70 - 130	30	
Chloroethane	ND	88	81	8.3	101	93	8.2	70 - 130	30	
Chloroform	ND	110	104	5.6	108	98	9.7	70 - 130	30	
Chloromethane	ND	94	86	8.9	114	98	15.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	115	108	6.3	109	102	6.6	70 - 130	30	
cis-1,3-Dichloropropene	ND	93	89	4.4	86	82	4.8	70 - 130	30	
Dibromochloromethane	ND	115	111	3.6	110	107	2.8	70 - 130	30	
Dibromoethane	ND	117	115	1.7	111	109	1.8	70 - 130	30	
Dibromomethane	ND	117	111	5.3	110	106	3.7	70 - 130	30	
Dichlorodifluoromethane	ND	82	82	0.0	113	98	14.2	70 - 130	30	
Ethylbenzene	ND	108	104	3.8	108	99	8.7	70 - 130	30	
Hexachlorobutadiene	ND	104	101	2.9	100	95	5.1	70 - 130	30	
Isopropylbenzene	ND	107	100	6.8	106	96	9.9	70 - 130	30	
m&p-Xylene	ND	107	103	3.8	107	100	6.8	70 - 130	30	
Methyl ethyl ketone	ND	111	132	17.3	106	105	0.9	70 - 130	30	i
Methyl t-butyl ether (MTBE)	ND	103	97	6.0	98	98	0.0	70 - 130	30	
Methylene chloride	ND	105	101	3.9	101	95	6.1	70 - 130	30	
Naphthalene	ND	121	124	2.4	108	114	5.4	70 - 130	30	
n-Butylbenzene	ND	103	98	5.0	98	90	8.5	70 - 130	30	
n-Propylbenzene	ND	102	97	5.0	105	97	7.9	70 - 130	30	
o-Xylene	ND	107	102	4.8	109	103	5.7	70 - 130	30	
p-Isopropyltoluene	ND	109	105	3.7	102	93	9.2	70 - 130	30	
sec-Butylbenzene	ND	101	94	7.2	101	92	9.3	70 - 130	30	
Styrene	ND	109	104	4.7	107	101	5.8	70 - 130	30	
tert-Butylbenzene	ND	108	102	5.7	106	99	6.8	70 - 130	30	
Tetrachloroethene	ND	108	103	4.7	112	101	10.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	110	111	0.9	99	104	4.9	70 - 130	30	
Toluene	ND	113	104	8.3	107	100	6.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	109	100	9.6	107	97	9.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	95	89	6.5	84	82	2.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	47	42	11.2	<40	<40	NC	70 - 130	30	l,m
Trichloroethene	ND	112	104	7.4	109	101	7.6	70 - 130	30	
Trichlorofluoromethane	ND	97	93	4.2	106	94	12.0	70 - 130	30	
Trichlorotrifluoroethane	ND	100	97	3.0	107	94	12.9	70 - 130	30	
Vinyl chloride	ND	96	89	7.6	109	95	13.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 1,2-dichlorobenzene-d4	102	100	101	1.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	94	97	101	4.0	99	99	0.0	70 - 130	30	
% Dibromofluoromethane	104	102	105	2.9	102	102	0.0	70 - 130	30	
% Toluene-d8	98	100	99	1.0	99	97	2.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 201575, QC Sample No: BB90362 (BB90183, BB90184, BB90185)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	101	105	3.9	105	101	3.9	70 - 130	30	
1,1,1-Trichloroethene	ND	92	95	3.2	99	94	5.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	94	96	2.1	98	100	2.0	70 - 130	30	
1,1,2-Trichloroethane	ND	104	108	3.8	107	108	0.9	70 - 130	30	
1,1-Dichloroethane	ND	93	96	3.2	96	94	2.1	70 - 130	30	
1,1-Dichloroethene	ND	90	94	4.3	100	97	3.0	70 - 130	30	
1,1-Dichloropropene	ND	91	96	5.3	99	96	3.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	107	111	3.7	103	109	5.7	70 - 130	30	
1,2,3-Trichloropropane	ND	92	95	3.2	97	94	3.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	104	1.0	102	104	1.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	97	98	1.0	98	97	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	102	101	1.0	103	103	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	95	97	2.1	99	98	1.0	70 - 130	30	
1,2-Dichloroethane	ND	80	85	6.1	86	85	1.2	70 - 130	30	
1,2-Dichloropropane	ND	94	97	3.1	98	97	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	95	99	4.1	95	94	1.1	70 - 130	30	
1,3-Dichlorobenzene	ND	96	100	4.1	100	98	2.0	70 - 130	30	
1,3-Dichloropropane	ND	101	102	1.0	103	102	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	92	95	3.2	97	96	1.0	70 - 130	30	
2,2-Dichloropropane	ND	<40	<40	NC	<40	<40	NC	70 - 130	30	l,m
2-Chlorotoluene	ND	98	99	3.1	100	98	2.0	70 - 130	30	
2-Hexanone	ND	91	94	3.2	100	101	1.0	70 - 130	30	
2-Isopropyltoluene	ND	93	94	1.1	98	96	2.1	70 - 130	30	
4-Chlorotoluene	ND	90	95	5.4	98	96	2.1	70 - 130	30	
4-Methyl-2-pentanone	ND	97	101	4.0	110	110	0.0	70 - 130	30	
Acetone	ND	96	96	0.0	106	102	3.8	70 - 130	30	
Acrylonitrile	ND	94	99	5.2	100	99	1.0	70 - 130	30	
Benzene	ND	92	95	3.2	95	93	2.1	70 - 130	30	
Bromobenzene	ND	100	102	2.0	102	100	2.0	70 - 130	30	
Bromochloromethane	ND	100	101	1.0	107	108	0.9	70 - 130	30	
Bromodichloromethane	ND	94	99	5.2	102	103	1.0	70 - 130	30	
Bromoform	ND	98	103	5.0	106	103	2.9	70 - 130	30	
Bromomethane	ND	114	121	6.0	>150	>150	NC	70 - 130	30	m
Carbon Disulfide	ND	88	90	2.2	96	94	2.1	70 - 130	30	
Carbon tetrachloride	ND	88	93	5.5	101	95	6.1	70 - 130	30	
Chlorobenzene	ND	96	99	3.1	100	98	2.0	70 - 130	30	
Chloroethane	ND	76	83	8.8	92	90	2.2	70 - 130	30	
Chloroform	ND	95	98	3.1	99	96	3.1	70 - 130	30	
Chloromethane	ND	85	89	4.6	108	104	3.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	100	103	3.0	101	99	2.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	78	81	3.8	83	82	1.2	70 - 130	30	
Dibromochloromethane	ND	100	102	2.0	104	103	1.0	70 - 130	30	
Dibromoethane	ND	102	106	3.8	107	108	0.9	70 - 130	30	
Dibromomethane	ND	100	104	3.9	106	106	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB90183

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dichlorodifluoromethane	ND	68	78	15.0	114	108	5.4	70 - 130	30	r
Ethylbenzene	ND	99	102	3.0	100	97	3.0	70 - 130	30	
Hexachlorobutadiene	ND	87	89	2.3	92	93	1.1	70 - 130	30	
Isopropylbenzene	ND	95	99	4.1	99	96	3.1	70 - 130	30	
m&p-Xylene	ND	98	100	2.0	101	98	3.0	70 - 130	30	
Methyl ethyl ketone	ND	107	101	5.8	106	116	9.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	88	92	4.4	94	95	1.1	70 - 130	30	
Methylene chloride	ND	92	95	3.2	96	95	1.0	70 - 130	30	
Naphthalene	ND	105	108	2.8	101	108	6.7	70 - 130	30	
n-Butylbenzene	ND	88	90	2.2	91	88	3.4	70 - 130	30	
n-Propylbenzene	ND	91	93	2.2	97	96	1.0	70 - 130	30	
o-Xylene	ND	98	101	3.0	103	100	3.0	70 - 130	30	
p-Isopropyltoluene	ND	96	101	5.1	96	94	2.1	70 - 130	30	
sec-Butylbenzene	ND	89	92	3.3	95	92	3.2	70 - 130	30	
Styrene	ND	97	100	3.0	103	101	2.0	70 - 130	30	
tert-Butylbenzene	ND	95	96	1.0	99	97	2.0	70 - 130	30	
Tetrachloroethene	ND	98	102	4.0	103	100	3.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	89	89	0.0	95	94	1.1	70 - 130	30	
Toluene	ND	99	103	4.0	102	102	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	93	98	5.2	99	97	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	78	83	6.2	83	82	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	<40	<40	NC	<40	<40	NC	70 - 130	30	l,m
Trichloroethene	ND	99	103	4.0	101	97	4.0	70 - 130	30	
Trichlorofluoromethane	ND	84	91	6.0	101	93	8.2	70 - 130	30	
Trichlorotrifluoroethane	ND	83	92	10.3	103	100	3.0	70 - 130	30	
Vinyl chloride	ND	84	89	5.8	105	100	4.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	99	101	2.0	70 - 130	30	
% Bromofluorobenzene	94	100	98	2.0	100	98	2.0	70 - 130	30	
% Dibromofluoromethane	104	100	101	1.0	102	100	2.0	70 - 130	30	
% Toluene-d8	98	98	100	2.0	100	102	2.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 06, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

NY Temperature Narration

June 06, 2012

SDG I.D.: GBB90183

The samples in this delivery group were received at 2C.
(Note acceptance criteria is above freezing up to 6C)

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 2°C w/ Ice Pack Pg 1 of 1

Data Delivery:
- [ ] Fax #:
- [ ] Email:

Customer: Landmark Consultants
Address: Brooklyn, NY 11222

Project: 45 India St
Report to: Andrew Garparro
Invoice to: "

Project P.O:
Phone #: 917-743-478
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Jim Scura / SEM Date: 5/23

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request: 1,4-Dioxane, Pb, PCB, Phenols, Total Petroleum Hydrocarbons, Organics, See attached

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled (2012)	Time Sampled	1,4-Dioxane	Pb	PCB	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	Gl. Soil container [ ] 1oz	Gl. Soil container [ ] 1oz	40 ml VOA Vial [ ] As is [X] HCl	Gl. Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [X] 1000ml	[X] H2SO4 [X] 250ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
90183	MW-1	GW	5/23	1530	X	X	X				3	5	1	1	1	1	
90184	MW-2	↓	↓	1445	X	X	X				3	5	1	1	1	1	
90185	MW-3	↓	↓	1400	X	X	X				3	5	1	1	1	1	
90186	tripBlank			—	X						1						

Relinquished by:	Accepted by:	Date:	Time:
Jim Scura	[signature]	5/23/12	1021
	[signature]	5-25-12	9:35

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [X] 5 Days
- [ ] 10 Days
- [ ] Other

* SURCHARGE APPLIES

NJ
- [ ] Res. Criteria
- [ ] Non-Res. Criteria
- [ ] Impact to GW Soil Cleanup Criteria
- [ ] GW Criteria

NY
- [ ] TAGM 4046 GW
- [ ] TAGM 4046 SOIL
- [ ] NY375 Unrestricted Soil
- [ ] NY375 Residential Soil
- [ ] NY375 Restricted Non-Residential Soil

Data Format
- [ ] Phoenix Std Report
- [ ] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] NJ Hazsite EDD
- [ ] NY EZ EDD (ASP)
- [ ] Other

Data Package
- [ ] NJ Reduced Deliv. *
- [ ] NY Enhanced (ASP B) *
- [ ] Other

State where samples were collected: NY

Comments, Special Requirements or Regulations:
NYS-DEC
Standard Brownfield's parameters
Asbestos
(JB) ~~PCB~~ Rush Rush hold - Greg Whittle to notify Jim S (JB)

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 Fax: 860.645.0823

Boblin Environmental Consulting - Brooklyn, NY Project Quote

Parameter	Method	Qty.	Price Per Sample	Total Cost
VOC's + 15 TICs	EPA 8260B	3	$ 90.00	$ 270.00
SVOC's + 25 TICs	EPA 8270D	3	170.00	510.00
Pesticides	EPA 8081	3	60.00	180.00
PCB's	EPA 8082	3	55.00	165.00
(13) PP metals*	EPA 6010B/7471A	3	98.00	294.00
Phenols, total	EPA 9065	3	20.00	60.00
Cyanide, total	EPA 9012	3	18.00	54.00
Asbestos**	EPA 600	3	120.00	360.00
2,3,7,8-TCDD (dioxin)**	EPA 8290	3	420.00	1,260.00
		Total =	$ 1,051.00	$ 3,153.00

Notes:

Pricing includes all necessary bottleware, preservatives, labels, and chain of custody forms.

Pace Analytical™

www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Report Prepared for:

Bobbi Aloisa
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester CT 06040

REPORT OF LABORATORY ANALYSIS FOR TCDD

Report Information:

Pace Project #: 10193631
Sample Receipt Date: 05/26/2012
Client Project #: BB90183-85
Client Sub PO #: N/A
State Cert #: 11647

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 2,3,7,8-TCDD Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Norman Hoffa, your Pace Project Manager.

This report has been reviewed by:

Norman C. Hoffa

June 04, 2012

Norman Hoffa, Project Manager
(919) 596-1935
(612) 607-6444 (fax)
norm.hoffa@pacelabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Report Prepared Date:

June 4, 2012

Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

DISCUSSION

This report presents the results from the analyses performed on three samples submitted by a representative of Phoenix Environmental Laboratories. The samples were analyzed for the presence or absence of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD) using USEPA Method 1613B. The reporting limits were set to correspond to the lowest calibration point and a nominal 1-Liter sample amount.

The recoveries of the isotopically-labeled TCDD internal standard in the sample extracts ranged from 94-99%. All of the labeled standard recoveries obtained for this project were within the target ranges specified in Method 1613B. Also, since the quantification of the native TCDD was based on isotope dilution, the data were automatically corrected for recovery and accurate values were obtained.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show that 2,3,7,8-TCDD was not detected, indicating that the sample processing steps were free of background levels of this congener.

Laboratory spike samples were also prepared using clean water that had been fortified with native standard material. The results show that the spiked native TCDD was recovered at 99-103%, with a relative percent difference of 4.0%. These results indicate high degrees of accuracy and precision for these determinations. Matrix spikes were not prepared with the sample batch.

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Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
Alabama	40770	Montana	92
Alaska	MN00064	Nebraska	
Arizona	AZ0014	Nevada	MN_00064_200
Arkansas	88-0680	New Jersey (NE	MN002
California	01155CA	New Mexico	MN00064
Colorado	MN00064	New York (NEL	11647
Connecticut	PH-0256	North Carolina	27700
EPA Region 5	WD-15J	North Dakota	R-036
EPA Region 8	8TMS-Q	Ohio	4150
Florida (NELAP	E87605	Ohio VAP	CL101 9507
Georgia (DNR)	959	Oklahoma	D9922
Guam	959	Oregon (ELAP)	MN200001-005
Hawaii	SLD	Oregon (OREL	MN300001-001
Idaho	MN00064	Pennsylvania	68-00563
Illinois	200012	Saipan	MP0003
Indiana	C-MN-01	South Carolina	74003001
Indiana	C-MN-01	Tennessee	2818
Iowa	368	Tennessee	02818
Kansas	E-10167	Texas	T104704192-08
Kentucky	90062	Utah (NELAP)	PAM
Louisiana	03086	Virginia	00251
Maine	2007029	Washington	C755
Maryland	322	West Virginia	9952C
Michigan	9909	Wisconsin	999407970
Minnesota	027-053-137	Wyoming	8TMS-Q
Mississippi	MN00064		

REPORT OF LABORATORY ANALYSIS

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Appendix A

Sample Management

10193631

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp Pg of

Data Delivery:
☐ Fax#:
☐ Email:

~~Customer~~ To: Pace Analytical
Address:

Project:
Report to: Bobbi Aloisa
Invoice to:

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Dioxin 2,3,7,8 TCDD	Soil VOA Vials ( ) methanol ( ) H2O	Gl. Soil container ( ) oz	Gl. Soil container ( ) oz	40 ml VOA Vial ( ) As is ( ) HCl	Gl. Amber 1000ml ( ) As is ( ) H2SO4	PL As is ( ) 250ml ( ) 500ml ( ) 1000ml	PL H2SO4 ( ) 250ml ( ) 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	
B690183		GW	5-23	15:30	X											001
B690184		GW	5-23	14:45	X											002
B690185		GW	5-23	14:00	X											003

Relinquished by:	Accepted by:	Date:	Time:
Lori Brugla	Fed Ex	5-25-12	
	Pace T=5.4	5-26-12	9:15

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other
* SURCHARGE APPLIES

State where samples were collected: NY

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Revised Date: 15Feb2012 Page 1 of 1
	Document Number: F-MN-L-213-rev.02	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Phoenix Project # 10193631

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 9936100-3092

[redacted]

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals Intact: ☒ yes ☐ no

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ____ No ____

Thermometer Used 80344042 or 80512447 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.4 Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 5-25-12

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☐Yes	☒No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis. Matrix: W	☒Yes	☐No	☐N/A	12.
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes	☐No	☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, HCL<2; NaOH >12)	☐Yes	☐No	☒N/A	
Exceptions: VOA,Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes	☒No		Initial when completed: ____ Lot # of added preservative: ____
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	14.
Trip Blank Present:	☐Yes	☐No	☒N/A	15.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (If purchased):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 05/29/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Reporting Flags

A = Reporting Limit based on signal to noise

B = Less than 10x higher than method blank level

C = Result obtained from confirmation analysis

D = Result obtained from analysis of diluted sample

E = Exceeds calibration range

I = Interference present

J = Estimated value

Nn = Value obtained from additional analysis

P = PCDE Interference

R = Recovery outside target range

S = Peak saturated

U = Analyte not detected

V = Result verified by confirmation analysis

X = %D Exceeds limits

Y = Calculated using average of daily RFs

* = See Discussion

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Appendix B

Sample Analysis Summary

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Pace Analytical™

Method 1613B Sample Analysis Results

Client - Phoenix Environmental Laboratories

Client's Sample ID	BB90183		
Lab Sample ID	10193631001		
Filename	F120603B_02		
Injected By	BAL		
Total Amount Extracted	1030 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	05/23/2012 15:30
ICAL ID	F120529	Received	05/26/2012 09:15
CCal Filename(s)	F120603A_17	Extracted	05/31/2012 19:45
Method Blank ID	BLANK-32831	Analyzed	06/04/2012 03:00

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	10	2,3,7,8-TCDD-13C	2.00	99
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	87

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit.

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Sample Analysis Results

Client - Phoenix Environmental Laboratories

Client's Sample ID	BB90184		
Lab Sample ID	10193631002		
Filename	F120603B_03		
Injected By	BAL		
Total Amount Extracted	1040 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	05/23/2012 14:45
ICAL ID	F120529	Received	05/26/2012 09:15
CCal Filename(s)	F120603A_17	Extracted	05/31/2012 18:45
Method Blank ID	BLANK-32831	Analyzed	06/04/2012 03:47

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	10	2,3,7,8-TCDD-13C	2.00	96
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	86

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit.

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Sample Analysis Results

Client - Phoenix Environmental Laboratories

Client's Sample ID	BB90185		
Lab Sample ID	10193631003		
Filename	F120603B_04		
Injected By	BAL		
Total Amount Extracted	1010 mL	Matrix	Water
% Moisture	NA	Dilution	NA
Dry Weight Extracted	NA	Collected	05/23/2012 14:00
ICAL ID	F120529	Received	05/26/2012 09:15
CCal Filename(s)	F120603A_17	Extracted	05/31/2012 19:45
Method Blank ID	BLANK-32631	Analyzed	06/04/2012 04:35

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	10	2,3,7,8-TCDD-13C	2.00	94
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	85

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit.

ND = Not Detected
NA = Not Applicable
NC = Not Calculated

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612-607-6444

Method 1613B Blank Analysis Results

Lab Sample ID	BLANK-32631	Matrix	Water
Filename	P120603A_08	Dilution	NA
Total Amount Extracted	962 mL	Extracted	05/31/2012 19:45
ICAL ID	P120530	Analyzed	06/03/2012 20:29
CCal Filename(s)	P120603A_03	Injected By	BAL

Native Isomers	Conc pg/L	EMPC pg/L	RL pg/L	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDD	ND	—	10	2,3,7,8-TCDD-13C	2.00	94
				Recovery Standard 1,2,3,4-TCDD-13C	2.00	NA
				Cleanup Standard 2,3,7,8-TCDD-37Cl4	0.20	85

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
RL = Reporting Limit

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414

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Fax: 612-607-6444

Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCS-32832		
Filename	P120603A_04	Matrix	Water
Total Amount Extracted	965 mL	Dilution	NA
ICAL ID	P120530	Extracted	05/31/2012 19:45
CCal Filename	P120603A_03	Analyzed	06/03/2012 17:33
Method Blank ID	BLANK-32831	Injected By	BAL

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	10	7.3	14.6	103
2,3,7,8-TCDD-37Cl4	10	8.4	3.7	15.8	84
2,3,7,8-TCDD-13C	100	90	25.0	141.0	90

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

REPORT OF LABORATORY ANALYSIS

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Method 1613B Laboratory Control Spike Results

Lab Sample ID	LCSD-32842		
Filename	P120603A_05	Matrix	Water
Total Amount Extracted	963 mL	Dilution	NA
ICAL ID	P120530	Extracted	05/31/2012 19:45
CCal Filename	P120603A_03	Analyzed	06/03/2012 18:16
Method Blank ID	BLANK-32831	Injected By	BAL

Compound	Cs	Cr	Lower Limit	Upper Limit	% Rec.
2,3,7,8-TCDD	10	9.9	7.3	14.6	99
2,3,7,8-TCDD-37Cl4	10	8.3	3.7	15.8	83
2,3,7,8-TCDD-13C	100	88	25.0	141.0	88

Cs = Concentration Spiked (ng/mL)
Cr = Concentration Recovered (ng/mL)
Rec. = Recovery (Expressed as Percent)
Control Limit Reference: Method 1613, Table 6, 10/94 Revision
R = Recovery outside of control limits
Nn = Value obtained from additional analysis
* = See Discussion

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Method 1613B

Spike Recovery Relative Percent Difference (RPD) Results

Client: Phoenix Environmental Laboratories

Spike 1 ID	LCS-32832	Spike 2 ID	LCSD-32842
Spike 1 Filename	P120603A_04	Spike 2 Filename	P120603A_05

Compound	Spike 1 %REC	Spike 2 %REC	%RPD
2,3,7,8-TCDD	103	99	4.0

%REC = Percent Recovered
RPD = The difference between the two values divided by the mean value

REPORT OF LABORATORY ANALYSIS

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PHOENIX
Environmental Laboratories, Inc.

Tuesday, August 07, 2012

Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Project ID: 45 INDIA
Sample ID#s: BC49750 - BC49752

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 07, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	DR	07/31/12	17:40
Location Code:	LANDMARK	Received by:	LB	08/02/12	17:25
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBC49750
Phoenix ID: BC49750

Project ID: 45 INDIA
Client ID: SS #2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	08/03/12	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	08/03/12	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	08/03/12	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	08/03/12	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	08/03/12	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	08/03/12	KCA	TO15	
1,2,4-Trimethylbenzene	0.37	*0.204*	1.82	*1.00*	08/03/12	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	08/03/12	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	08/03/12	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	
2-Hexanone(MBK)	1.6	*0.244*	6.55	*1.00*	08/03/12	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	08/03/12	KCA	TO15	
Acetone	188	*0.421*	446	*1.00*	08/03/12	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	08/03/12	KCA	TO15	
Benzene	ND	*0.313*	ND	*1.00*	08/03/12	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	08/03/12	KCA	TO15	1
Bromodichloromethane	ND	*0.149*	ND	*1.00*	08/03/12	KCA	TO15	

Project ID: 45 INDIA
Client ID: SS #2

Phoenix I.D.: BC49750

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	08/03/12	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	08/03/12	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	08/03/12	KCA	TO15	
Carbon Tetrachloride	0.12	*0.040*	0.754	*0.25*	08/03/12	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	08/03/12	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	08/03/12	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	08/03/12	KCA	TO15	
Chloromethane	0.89	*0.484*	1.84	*1.00*	08/03/12	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	08/03/12	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	08/03/12	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	08/03/12	KCA	TO15	
Dichlorodifluoromethane	0.63	*0.202*	3.11	*1.00*	08/03/12	KCA	TO15	
Ethanol	34.2	*0.531*	64.4	*1.00*	08/03/12	KCA	TO15	1
Ethyl acetate	0.5	*0.278*	1.80	*1.00*	08/03/12	KCA	TO15	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	08/03/12	KCA	TO15	
Heptane	0.52	*0.244*	2.13	*1.00*	08/03/12	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	08/03/12	KCA	TO15	
Hexane	1.02	*0.284*	3.59	*1.00*	08/03/12	KCA	TO15	
Isopropylalcohol	3.12	*0.407*	7.66	*1.00*	08/03/12	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	
m,p-Xylene	0.59	*0.230*	2.56	*1.00*	08/03/12	KCA	TO15	
Methyl Ethyl Ketone	30.8	*0.339*	90.8	*1.00*	08/03/12	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	
Methylene Chloride	0.37	*0.288*	1.28	*1.00*	08/03/12	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
o-Xylene	0.23	*0.230*	0.998	*1.00*	08/03/12	KCA	TO15	
Propylene	18.1	*0.581*	31.1	*1.00*	08/03/12	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	08/03/12	KCA	TO15	
Tetrachloroethene	0.09	*0.037*	0.610	*0.25*	08/03/12	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	08/03/12	KCA	TO15	1
Toluene	1.27	*0.266*	4.78	*1.00*	08/03/12	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	08/03/12	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	08/03/12	KCA	TO15	
Trichlorofluoromethane	0.34	*0.178*	1.91	*1.00*	08/03/12	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	08/03/12	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	08/03/12	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	104	*%*	104	*%*	08/03/12	KCA	TO15	

Project ID: 45 INDIA

Client ID: SS #2

Phoenix I.D.: BC49750

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 07, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 07, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	DR	07/31/12	17:45
Location Code:	LANDMARK	Received by:	LB	08/02/12	17:25
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBC49750
Phoenix ID: BC49751

Project ID: 45 INDIA
Client ID: SS #1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	08/03/12	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	08/03/12	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	08/03/12	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	08/03/12	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	08/03/12	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	08/03/12	KCA	TO15	
1,2,4-Trimethylbenzene	1.37	*0.204*	6.73	*1.00*	08/03/12	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	08/03/12	KCA	TO15	
1,3,5-Trimethylbenzene	0.33	*0.204*	1.62	*1.00*	08/03/12	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	08/03/12	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	
2-Hexanone(MBK)	4.56	*0.244*	18.7	*1.00*	08/03/12	KCA	TO15	1
4-Ethyltoluene	0.23	*0.204*	1.13	*1.00*	08/03/12	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	08/03/12	KCA	TO15	
Acetone	129	*0.421*	306	*1.00*	08/03/12	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	08/03/12	KCA	TO15	
Benzene	0.43	*0.313*	1.37	*1.00*	08/03/12	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	08/03/12	KCA	TO15	1
Bromodichloromethane	ND	*0.149*	ND	*1.00*	08/03/12	KCA	TO15	

Project ID: 45 INDIA
Client ID: SS #1

Phoenix I.D.: BC49751

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	08/03/12	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	08/03/12	KCA	TO15	
Carbon Disulfide	0.61	*0.321*	1.90	*1.00*	08/03/12	KCA	TO15	
Carbon Tetrachloride	0.11	*0.040*	0.692	*0.25*	08/03/12	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	08/03/12	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	08/03/12	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	08/03/12	KCA	TO15	
Chloromethane	0.78	*0.484*	1.61	*1.00*	08/03/12	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	08/03/12	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	08/03/12	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	08/03/12	KCA	TO15	
Dichlorodifluoromethane	0.58	*0.202*	2.87	*1.00*	08/03/12	KCA	TO15	
Ethanol	19.4	*0.531*	36.5	*1.00*	08/03/12	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	1
Ethylbenzene	0.58	*0.230*	2.52	*1.00*	08/03/12	KCA	TO15	
Heptane	0.83	*0.244*	3.40	*1.00*	08/03/12	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	08/03/12	KCA	TO15	
Hexane	1.32	*0.284*	4.65	*1.00*	08/03/12	KCA	TO15	
Isopropylalcohol	1.45	*0.407*	3.56	*1.00*	08/03/12	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	
m,p-Xylene	1.49	*0.230*	6.46	*1.00*	08/03/12	KCA	TO15	
Methyl Ethyl Ketone	26.8	*0.339*	79.0	*1.00*	08/03/12	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	
Methylene Chloride	0.37	*0.288*	1.28	*1.00*	08/03/12	KCA	TO15	
n-Butylbenzene	0.2	*0.182*	1.10	*1.00*	08/03/12	KCA	TO15	1
o-Xylene	0.63	*0.230*	2.73	*1.00*	08/03/12	KCA	TO15	
Propylene	12.6	*0.581*	21.7	*1.00*	08/03/12	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
Styrene	0.29	*0.235*	1.23	*1.00*	08/03/12	KCA	TO15	
Tetrachloroethene	1.47	*0.037*	9.96	*0.25*	08/03/12	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	08/03/12	KCA	TO15	1
Toluene	1.89	*0.266*	7.12	*1.00*	08/03/12	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	08/03/12	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	08/03/12	KCA	TO15	
Trichlorofluoromethane	0.34	*0.178*	1.91	*1.00*	08/03/12	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	08/03/12	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	08/03/12	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	106	*%*	106	*%*	08/03/12	KCA	TO15	

Project ID: 45 INDIA

Client ID: SS #1

Phoenix I.D.: BC49751

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

August 07, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

August 07, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	DR	07/31/12	17:44
Location Code:	LANDMARK	Received by:	LB	08/02/12	17:25
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBC49750
Phoenix ID: BC49752

Project ID: 45 INDIA
Client ID: SS #3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	08/03/12	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	08/03/12	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	08/03/12	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	08/03/12	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	08/03/12	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	08/03/12	KCA	TO15	
1,2,4-Trimethylbenzene	0.66	*0.204*	3.24	*1.00*	08/03/12	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	08/03/12	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	08/03/12	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	08/03/12	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	08/03/12	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	
2-Hexanone(MBK)	7.3	*0.244*	29.9	*1.00*	08/03/12	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	08/03/12	KCA	TO15	
Acetone	214	*0.421*	508	*1.00*	08/03/12	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	08/03/12	KCA	TO15	
Benzene	0.39	*0.313*	1.24	*1.00*	08/03/12	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	08/03/12	KCA	TO15	1
Bromodichloromethane	ND	*0.149*	ND	*1.00*	08/03/12	KCA	TO15	

Project ID: 45 INDIA
Client ID: SS #3

Phoenix I.D.: BC49752

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	08/03/12	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	08/03/12	KCA	TO15	
Carbon Disulfide	3.24	*0.321*	10.1	*1.00*	08/03/12	KCA	TO15	
Carbon Tetrachloride	0.11	*0.040*	0.692	*0.25*	08/03/12	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	08/03/12	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	08/03/12	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	08/03/12	KCA	TO15	
Chloromethane	0.73	*0.484*	1.51	*1.00*	08/03/12	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	08/03/12	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	08/03/12	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	08/03/12	KCA	TO15	
Dichlorodifluoromethane	0.62	*0.202*	3.06	*1.00*	08/03/12	KCA	TO15	
Ethanol	32.6	*0.531*	61.4	*1.00*	08/03/12	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	1
Ethylbenzene	0.32	*0.230*	1.39	*1.00*	08/03/12	KCA	TO15	
Heptane	0.97	*0.244*	3.97	*1.00*	08/03/12	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	08/03/12	KCA	TO15	
Hexane	2.9	*0.284*	10.2	*1.00*	08/03/12	KCA	TO15	
Isopropylalcohol	5.99	*0.407*	14.7	*1.00*	08/03/12	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	08/03/12	KCA	TO15	
m,p-Xylene	0.98	*0.230*	4.25	*1.00*	08/03/12	KCA	TO15	
Methyl Ethyl Ketone	51.1	*0.339*	151	*1.00*	08/03/12	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	08/03/12	KCA	TO15	
Methylene Chloride	0.65	*0.288*	2.26	*1.00*	08/03/12	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
o-Xylene	0.39	*0.230*	1.69	*1.00*	08/03/12	KCA	TO15	
Propylene	27.3	*0.581*	47.0	*1.00*	08/03/12	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	08/03/12	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	08/03/12	KCA	TO15	
Tetrachloroethene	0.35	*0.037*	2.37	*0.25*	08/03/12	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	08/03/12	KCA	TO15	1
Toluene	1.83	*0.266*	6.89	*1.00*	08/03/12	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	08/03/12	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	08/03/12	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	08/03/12	KCA	TO15	
Trichlorofluoromethane	0.32	*0.178*	1.80	*1.00*	08/03/12	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	08/03/12	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	08/03/12	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	102	*%*	102	*%*	08/03/12	KCA	TO15	

Project ID: 45 INDIA

Client ID: SS #3

Phoenix I.D.: BC49752

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

August 07, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

August 07, 2012

QA/QC Data

SDG I.D.: GBC49750

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 206401, QC Sample No: BC49752 (BC49750, BC49751, BC49752)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	104	3.24	3.14	0.66	0.64	3.1	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	120	29.9	26.4	7.3	6.45	12.4	70 - 130	20
4-Ethyltoluene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	117	567	567	239	239	0.0	70 - 130	20
Acrylonitrile	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	98	1.24	1.24	0.39	0.39	0.0	70 - 130	20
Benzyl chloride	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	130	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	123	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	134	10.1	9.77	3.24	3.14	3.1	70 - 130	20
Carbon Tetrachloride	ND	ND	120	0.692	0.692	0.11	0.11	0.0	70 - 130	20
Chlorobenzene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
Chloromethane	ND	ND	111	1.51	1.53	0.73	0.74	1.4	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	130	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	119	3.06	2.92	0.62	0.59	5.0	70 - 130	20
Ethanol	ND	ND	91	61.4	62.0	32.6	32.9	0.9	70 - 130	20

QA/QC Data

SDG I.D.: GBC49750

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	98	1.39	1.43	0.32	0.33	3.1	70 - 130	20
Heptane	ND	ND	124	3.97	3.77	0.97	0.92	5.3	70 - 130	20
Hexachlorobutadiene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	96	10.2	9.93	2.9	2.82	2.8	70 - 130	20
Isopropylalcohol	ND	ND	88	14.7	14.7	5.99	5.97	0.3	70 - 130	20
Isopropylbenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	104	4.25	4.25	0.98	0.98	0.0	70 - 130	20
Methyl Ethyl Ketone	ND	ND	99	151	147	51.1	49.8	2.6	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	100	2.26	2.12	0.65	0.61	6.3	70 - 130	20
n-Butylbenzene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	101	1.69	1.65	0.39	0.38	2.6	70 - 130	20
Propylene	ND	ND	108	47.0	48.0	27.3	27.9	2.2	70 - 130	20
sec-Butylbenzene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	106	2.37	2.37	0.35	0.35	0.0	70 - 130	20
Tetrahydrofuran	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	104	6.89	6.25	1.83	1.66	9.7	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	130	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	129	1.80	1.80	0.32	0.32	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	126	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	103	103	100	102	105	102	105	2.9	70 - 130	20

I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 07, 2012

Tuesday, August 07, 2012

Requested Criteria: None

State: NY

Sample Criteria Exceedences Report

GBC49750 - LANDMARK

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 - Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # Contract

Page 1 of 1

Data Delivery:
- ☐ Fax #:
- ☐ Email: alg@landmarkconsult.com
- ☐ Phone #: (718) 349-0552

Report to: Andrew Gasparre

Customer: Landmark Consultants

Address: 528 Leonard Street, Brooklyn, NY

Invoice to: Landmark Consultants

Sampled by: Darien Rivera

Project Name: 45 India

Criteria Requested: Deliverable: RCP ☐ MCP ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15 ✓
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
49750	SS#2	461	6.0	-30	29.5	5025	30	2:40	5:40	7-31-12	29.5	8.5		✓			✓
49751	SS#1	491	↓	↓		4493	↓	2:45	5:45	7-31-12	29.5	7.0		✓			✓
49752	SS#3	484	↓	↓	29.5	5039	↓	2:44	5:44	7-31-12	29.5	7.5		✓			✓

Relinquished by:	Accepted by:	Date:	Time:
Darien Rivera		8-1-2012	14:30
		8-2-12	1025

Data Format: Excel ☒ Equis ☐ GISKey ☐ PDF ☐ Other: ☐

SPECIAL INSTRUCTIONS/QC REQUIREMENTS, REGULATORY INFORMATION:

*
SS#2 - 6
SS#1 - 5
SS#3 - 7 *

Quote Number:

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date: 7/31/12

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

September 26, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/12	13:45
Location Code:	LANDMARK	Received by:	SW	09/25/12	17:02
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	12-1804				

Laboratory Data

SDG ID: GBC73710
Phoenix ID: BC73710

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Barium	0.69	0.10	mg/L	09/26/12	LK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	09/26/12	LK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	09/26/12	RS	SW7470
TCLP Lead	0.13	0.10	mg/L	09/26/12	LK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Metals Digestion	Completed			09/26/12	X/X	SW3005
TCLP Digestion Mercury	Completed			09/26/12	X/X	E1311/7470
TCLP Extraction for Metals	Completed			09/25/12	X	EPA 1311

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
September 26, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

September 26, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/12	13:50
Location Code:	LANDMARK	Received by:	SW	09/25/12	17:02
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	12-1804				

Laboratory Data

SDG ID: GBC73710
Phoenix ID: BC73711

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
TCLP Silver	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Arsenic	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Barium	0.20	0.10	mg/L	09/26/12	LK	SW6010
TCLP Cadmium	< 0.050	0.050	mg/L	09/26/12	LK	SW6010
TCLP Chromium	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	mg/L	09/26/12	RS	SW7470
TCLP Lead	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Selenium	< 0.10	0.10	mg/L	09/26/12	LK	SW6010
TCLP Metals Digestion	Completed			09/26/12	X/X	SW3005
TCLP Digestion Mercury	Completed			09/26/12	X/X	E1311/7470
TCLP Extraction for Metals	Completed			09/25/12	X	EPA 1311

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 26, 2012

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

September 26, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/12	13:59
Location Code:	LANDMARK	Received by:	SW	09/25/12	17:02
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	12-1804				

Laboratory Data

SDG ID: GBC73710
Phoenix ID: BC73712

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	09/26/12	LK	SW6010
Aluminum	11000	59	mg/Kg	09/26/12	LK	SW6010
Arsenic	3.1	0.8	mg/Kg	09/26/12	LK	SW6010
Barium	22.6	0.39	mg/Kg	09/26/12	LK	SW6010
Beryllium	0.36	0.31	mg/Kg	09/26/12	LK	SW6010
Calcium	1000	5.9	mg/Kg	09/26/12	LK	SW6010
Cadmium	< 0.39	0.39	mg/Kg	09/26/12	LK	SW6010
Cobalt	15.3	0.39	mg/Kg	09/26/12	LK	SW6010
Chromium	13.3	0.39	mg/Kg	09/26/12	LK	SW6010
Copper	17.1	0.39	mg/kg	09/26/12	LK	SW6010
Iron	18600	59	mg/Kg	09/26/12	LK	SW6010
Mercury	< 0.10	0.10	mg/Kg	09/26/12	RS	SW-7471
Potassium	1080	5.9	mg/Kg	09/26/12	LK	SW6010
Magnesium	2950	5.9	mg/Kg	09/26/12	LK	SW6010
Manganese	836	3.9	mg/Kg	09/26/12	LK	SW6010
Sodium	50.7	5.9	mg/Kg	09/26/12	LK	SW6010
Nickel	14.8	0.39	mg/Kg	09/26/12	LK	SW6010
Lead	6.18	0.39	mg/Kg	09/26/12	LK	SW6010
Antimony	< 3.9	3.9	mg/Kg	09/26/12	LK	SW6010
Selenium	< 1.6	1.6	mg/Kg	09/26/12	LK	SW6010
Thallium	< 3.5	3.5	mg/Kg	09/26/12	LK	SW6010
Vanadium	17.8	0.39	mg/Kg	09/26/12	LK	SW6010
Zinc	26.7	0.39	mg/Kg	09/26/12	LK	SW6010
Percent Solid	81		%	09/25/12	JL	E160.3
Soil Extraction SVOA BN	Completed			09/25/12	JJ/V	SW3545
Mercury Digestion	Completed			09/26/12	X	SW7471
Total Metals Digest	Completed			09/25/12	AG	SW846 - 3050

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #3

Phoenix I.D.: BC73712

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Anthracene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benz(a)anthracene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(a)pyrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(b)fluoranthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(ghi)perylene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(k)fluoranthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Chrysene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Fluoranthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Fluorene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Naphthalene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Phenanthrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Pyrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	73		%	09/26/12	DD	40 - 140 %
% Nitrobenzene-d5	67		%	09/26/12	DD	40 - 140 %
% Terphenyl-d14	80		%	09/26/12	DD	40 - 140 %

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director
September 26, 2012

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

September 26, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/12	14:10
Location Code:	LANDMARK	Received by:	SW	09/25/12	17:02
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	12-1804				

Laboratory Data

SDG ID: GBC73710
Phoenix ID: BC73713

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	09/26/12	LK	SW6010
Aluminum	10300	53	mg/Kg	09/26/12	LK	SW6010
Arsenic	3.2	0.7	mg/Kg	09/26/12	LK	SW6010
Barium	23.8	0.35	mg/Kg	09/26/12	LK	SW6010
Beryllium	0.38	0.28	mg/Kg	09/26/12	LK	SW6010
Calcium	1320	5.3	mg/Kg	09/26/12	LK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	09/26/12	LK	SW6010
Cobalt	7.89	0.35	mg/Kg	09/26/12	LK	SW6010
Chromium	17.3	0.35	mg/Kg	09/26/12	LK	SW6010
Copper	19.5	0.35	mg/kg	09/26/12	LK	SW6010
Iron	16800	53	mg/Kg	09/26/12	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	09/26/12	RS	SW-7471
Potassium	1090	5.3	mg/Kg	09/26/12	LK	SW6010
Magnesium	3600	5.3	mg/Kg	09/26/12	LK	SW6010
Manganese	387	3.5	mg/Kg	09/26/12	LK	SW6010
Sodium	39.2	5.3	mg/Kg	09/26/12	LK	SW6010
Nickel	18.0	0.35	mg/Kg	09/26/12	LK	SW6010
Lead	6.86	0.35	mg/Kg	09/26/12	LK	SW6010
Antimony	< 3.5	3.5	mg/Kg	09/26/12	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	09/26/12	LK	SW6010
Thallium	< 3.2	3.2	mg/Kg	09/26/12	LK	SW6010
Vanadium	21.9	0.35	mg/Kg	09/26/12	LK	SW6010
Zinc	33.4	0.35	mg/Kg	09/26/12	LK	SW6010
Percent Solid	87		%	09/25/12	JL	E160.3
Soil Extraction SVOA BN	Completed			09/25/12	JJ/V	SW3545
Mercury Digestion	Completed			09/26/12	X	SW7471
Total Metals Digest	Completed			09/25/12	AG	SW846 - 3050

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #4

Phoenix I.D.: BC73713

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Anthracene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Chrysene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Fluorene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Naphthalene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	09/26/12	DD	SW 8270
Pyrene	ND	270	ug/Kg	09/26/12	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	09/26/12	DD	40 - 140 %
% Nitrobenzene-d5	69		%	09/26/12	DD	40 - 140 %
% Terphenyl-d14	76		%	09/26/12	DD	40 - 140 %

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 26, 2012

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

September 26, 2012

FOR: Attn: Mr Andrew Gasparre
Landmark Consultants Corp
528 Leonard Street
Brooklyn NY 11222

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/21/12	14:15
Location Code:	LANDMARK	Received by:	SW	09/25/12	17:02
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:	12-1804				

Laboratory Data

SDG ID: GBC73710
Phoenix ID: BC73714

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	09/26/12	LK	SW6010
Aluminum	12900	59	mg/Kg	09/26/12	LK	SW6010
Arsenic	2.5	0.8	mg/Kg	09/26/12	LK	SW6010
Barium	33.3	0.39	mg/Kg	09/26/12	LK	SW6010
Beryllium	0.37	0.31	mg/Kg	09/26/12	LK	SW6010
Calcium	232	5.9	mg/Kg	09/26/12	LK	SW6010
Cadmium	< 0.39	0.39	mg/Kg	09/26/12	LK	SW6010
Cobalt	4.82	0.39	mg/Kg	09/26/12	LK	SW6010
Chromium	17.1	0.39	mg/Kg	09/26/12	LK	SW6010
Copper	15.6	0.39	mg/kg	09/26/12	LK	SW6010
Iron	18200	59	mg/Kg	09/26/12	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	09/26/12	RS	SW-7471
Potassium	1080	5.9	mg/Kg	09/26/12	LK	SW6010
Magnesium	3020	5.9	mg/Kg	09/26/12	LK	SW6010
Manganese	95.4	0.39	mg/Kg	09/26/12	LK	SW6010
Sodium	34.1	5.9	mg/Kg	09/26/12	LK	SW6010
Nickel	14.4	0.39	mg/Kg	09/26/12	LK	SW6010
Lead	5.39	0.39	mg/Kg	09/26/12	LK	SW6010
Antimony	< 3.9	3.9	mg/Kg	09/26/12	LK	SW6010
Selenium	< 1.6	1.6	mg/Kg	09/26/12	LK	SW6010
Thallium	< 3.5	3.5	mg/Kg	09/26/12	LK	SW6010
Vanadium	20.8	0.39	mg/Kg	09/26/12	LK	SW6010
Zinc	43.5	0.39	mg/Kg	09/26/12	LK	SW6010
Percent Solid	83		%	09/25/12	JL	E160.3
Soil Extraction SVOA BN	Completed			09/25/12	JJ/V	SW3545
Mercury Digestion	Completed			09/26/12	X	SW7471
Total Metals Digest	Completed			09/25/12	AG	SW846 - 3050

Project ID: 45 INDIA ST BROOKLYN NY
Client ID: SB #5

Phoenix I.D.: BC73714

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Polynuclear Aromatic HC						
2-Methylnaphthalene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Acenaphthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Acenaphthylene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Anthracene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benz(a)anthracene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(a)pyrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(b)fluoranthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(ghi)perylene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Benzo(k)fluoranthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Chrysene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Fluoranthene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Fluorene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Naphthalene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Phenanthrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
Pyrene	ND	280	ug/Kg	09/26/12	DD	SW 8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	70		%	09/26/12	DD	40 - 140 %
% Nitrobenzene-d5	70		%	09/26/12	DD	40 - 140 %
% Terphenyl-d14	75		%	09/26/12	DD	40 - 140 %

RL/PQL=Reporting/Pratical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director
September 26, 2012

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 3.8 Pg 1 of 1

Data Delivery:
- [ ] Fax #: ______
- [x] Email: alg@landmarkconsult.com

Customer:	Landmark Consultants, Corp.	Project:	45 India St, Brooklyn NY	Project P.O:	12-1804
Address:	528 Leonard St	Report to:	Andrew Gasparro	Phone #:	718-383-6800
	Brooklyn, NY 11222	Invoice to:	Landmark Consultants	Fax #:	

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 9/21/12

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	X TAL Metals	X PAH (8270)	X TCLP Metals (8012)	+	+	+	+	+	+	+	+	Soil VOA [ ] Methanol [ ] Bisulfate [ ] H2O	GI Soil container [ ] oz	GI Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GI Amber 1000ml [ ] As is [ ] HCl	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
1	SB#1	S	9/21/2012	1:45			X					73710													
2	SB#2	S		1:50			X					73711													
3	SB#3	S		1:59	X	X						73712													
4	SB#4	S		2:10	X	X						73713													
5	SB#5	S		2:15	X	X						73714													
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	9-22-2012	11:00
[signature]	[signature]	9/25/12	1900

Turnaround:
- [x] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days* (scribbled out)
- [ ] Standard
- [ ] Other

* SURCHARGE APPLIES

NJ
- [ ] Res. Criteria
- [ ] Non-Res. Criteria
- [ ] Impact to GW Soil Cleanup Criteria
- [ ] GW Criteria

NY
- [ ] TAGM 4046 GW
- [ ] TAGM 4046 SOIL
- [ ] NY375 Unrestricted Soil
- [ ] NY375 Residential Soil
- [ ] NY375 Restricted Non-Residential Soil

Data Format
- [x] Phoenix Std Report
- [x] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] NJ Hazsite EDD
- [ ] NY EZ EDD (ASP)
- [ ] Other ______

Data Package
- [ ] NJ Reduced Deliv. *
- [ ] NY Enhanced (ASP B) *
- [ ] Other

State where samples were collected: NY

Comments, Special Requirements or Regulations:
Please have Results By Thursday 9/27/12

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax:(856)858-4800/ (856)858-4571
http://www.emsl.com mhowley@emsl.com

EMSL Order: **491201121**
CustomerID: **LAND22**
Customer PO:
ProjectID:

Attn: **Andrew Gasparo**
Landmark Consultants, Inc.
528 Leonard Street, 3rd Floor
Brooklyn, NY 11222
Project: **45 Indice St.**

Phone: 718-349-0352
Fax: 718-349-0438
Received: 11/16/2012
Report Date: 11/21/2012

Laboratory Report

Lab Sample Number	Client Sample Identification	Start Collection Date	Start Collection Time
491201121-0001	**SV #2**	**11/15/2012**	**12:55**
491201121-0002	**SV #1**	**11/15/2012**	**12:37**

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and electronic data has been authorized by the laboratory manager or his/her designee, as verified by the following signature.

Initial Report Date: **11/21/2012**
Amended Report Date:

Approved EMSL Signatory
Marjorie Howley, TO-15 Laboratory Manager

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EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax:(856)858-4800/ (856)858-4571
http://www.emsl.com mhowley@emsl.com

EMSL Order: 491201121
EMSL Sample ID: 491201121-1
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #2

Sampling Date: 11/15/2012
Canister ID: HD2180

Lab File ID: M2602.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Target Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	ND	1.0		ND	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	**3.9**	0.50		**9.2**	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	ND	0.50		ND	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**12**	0.50		**22**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	**2.2**	0.50		**5.4**	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**3.6**	0.50		**8.6**	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	ND	0.50		ND	1.6
Methylene chloride	75-09-2	84.94	ND	0.50		ND	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	ND	0.50		ND	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	ND	0.50		ND	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	**3.9**	0.50		**14**	1.8

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EMSL Order: 491201121
EMSL Sample ID: 491201121-1
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #2

Sampling Date: 11/15/2012
Canister ID: HD2180

Lab File ID: M2602.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Target Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	ND	0.50		ND	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	ND	0.50		ND	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	ND	0.50		ND	1.6
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**0.76**	0.50		**2.8**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**1.1**	0.50		**7.7**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	ND	0.50		ND	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4

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EMSL Order: 491201121
EMSL Sample ID: 491201121-1
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #2

Sampling Date: 11/15/2012
Canister ID: HD2180

Lab File ID: M2602.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Target Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	0.50		ND	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

ND = Non Detect

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	11.7	10	117%

Qualifier Definitions

B = Compound also found in method blank.
E= Estimated concentration exceeding upper calibration range.
D= Result reported from diluted analysis.

NJDEP Certification #: 03036

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EMSL Order: 491201121
EMSL Sample ID: 491201121-1
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #2

Sampling Date: 11/15/2012
Canister ID: HD2180

Lab File ID: M2602.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Tentatively Identified Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Unknown		92	**3.6**	J	**14**	4.63
Unknown		92	**2.9**	J	**11**	4.97
Acetaldehyde	000075-07-0	44	**1.4**	JN	**2.5**	5.54
Unknown		92	**8.8**	J	**33**	5.77
Butane, 2-methyl-	000078-78-4	72	**1.7**	JN	**4.9**	6.19
Pentane	000109-66-0	72	**2.5**	JN	**7.2**	6.65

Qualifier Definitions

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

B = Compound also found in method blank.

J= Estimated value based on a 1:1 response to internal standard.

N= Presumptive evidence of compound based on library match.

NJDEP Certification #: 03036

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EMSL Order: 491201121
EMSL Sample ID: 491201121-2
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #1

Sampling Date: 11/15/2012
Canister ID: HD2291

Lab File ID: M2603.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Target Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Propylene	115-07-1	58.08	**35**	1.0		**83**	2.4
Freon 12(Dichlorodifluoromethane)	75-71-8	120.9	ND	0.50		ND	2.5
Freon 114(1,2-Dichlorotetrafluoroethan	76-14-2	170.9	ND	0.50		ND	3.5
Chloromethane	74-87-3	50.49	ND	0.50		ND	1.0
n-Butane	106-97-8	58.12	ND	0.50		ND	1.2
Vinyl chloride	75-01-4	62.50	ND	0.50		ND	1.3
1,3-Butadiene	106-99-0	54.09	**3.2**	0.50		**7.2**	1.1
Bromomethane	74-83-9	94.94	ND	0.50		ND	1.9
Chloroethane	75-00-3	64.52	ND	0.50		ND	1.3
Ethanol	64-17-5	46.07	**16**	0.50		**29**	0.94
Bromoethene(Vinyl bromide)	593-60-2	106.9	ND	0.50		ND	2.2
Freon 11(Trichlorofluoromethane)	75-69-4	137.4	ND	0.50		ND	2.8
Isopropyl alcohol(2-Propanol)	67-63-0	60.10	ND	0.50		ND	1.2
Freon 113(1,1,2-Trichlorotrifluoroethan	76-13-1	187.4	ND	0.50		ND	3.8
Acetone	67-64-1	58.08	**8.0**	0.50		**19**	1.2
1,1-Dichloroethene	75-35-4	96.94	ND	0.50		ND	2.0
Acetonitrile	75-05-8	41.00	ND	0.50		ND	0.84
Tertiary butyl alcohol(TBA)	75-65-0	74.12	ND	0.50		ND	1.5
Bromoethane(Ethyl bromide)	74-96-4	108.0	ND	0.50		ND	2.2
3-Chloropropene(Allyl chloride)	107-05-1	76.53	ND	0.50		ND	1.6
Carbon disulfide	75-15-0	76.14	**1.9**	0.50		**6.0**	1.6
Methylene chloride	75-09-2	84.94	ND	0.50		ND	1.7
Acrylonitrile	107-13-1	53.00	ND	0.50		ND	1.1
Methyl-tert-butyl ether(MTBE)	1634-04-4	88.15	ND	0.50		ND	1.8
trans-1,2-Dichloroethene	156-60-5	96.94	ND	0.50		ND	2.0
n-Hexane	110-54-3	86.17	**1.7**	0.50		**5.9**	1.8
1,1-Dichloroethane	75-34-3	98.96	ND	0.50		ND	2.0
Vinyl acetate	108-05-4	86.00	ND	0.50		ND	1.8
2-Butanone(MEK)	78-93-3	72.10	**1.2**	0.50		**3.5**	1.5
cis-1,2-Dichloroethene	156-59-2	96.94	ND	0.50		ND	2.0
Ethyl acetate	141-78-6	88.10	**2.1**	0.50		**7.6**	1.8

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EMSL Order: 491201121
EMSL Sample ID: 491201121-2
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #1

Sampling Date: 11/15/2012
Canister ID: HD2291

Lab File ID: M2603.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Target Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
Chloroform	67-66-3	119.4	ND	0.50		ND	2.4
Tetrahydrofuran	109-99-9	72.11	ND	0.50		ND	1.5
1,1,1-Trichloroethane	71-55-6	133.4	ND	0.50		ND	2.7
Cyclohexane	110-82-7	84.16	ND	0.50		ND	1.7
2,2,4-Trimethylpentane(Isooctane)	540-84-1	114.2	ND	0.50		ND	2.3
Carbon tetrachloride	56-23-5	153.8	ND	0.50		ND	3.1
n-Heptane	142-82-5	100.2	**0.79**	0.50		**3.2**	2.0
1,2-Dichloroethane	107-06-2	98.96	ND	0.50		ND	2.0
Benzene	71-43-2	78.11	**1.4**	0.50		**4.4**	1.6
Trichloroethene	79-01-6	131.4	ND	0.50		ND	2.7
1,2-Dichloropropane	78-87-5	113.0	ND	0.50		ND	2.3
Methyl Methacrylate	80-62-6	100.12	ND	0.50		ND	2.0
Bromodichloromethane	75-27-4	163.8	ND	0.50		ND	3.3
1,4-Dioxane	123-91-1	88.12	ND	0.50		ND	1.8
4-Methyl-2-pentanone(MIBK)	108-10-1	100.2	ND	0.50		ND	2.0
cis-1,3-Dichloropropene	10061-01-5	111.0	ND	0.50		ND	2.3
Toluene	108-88-3	92.14	**1.9**	0.50		**7.1**	1.9
trans-1,3-Dichloropropene	10061-02-6	111.0	ND	0.50		ND	2.3
1,1,2-Trichloroethane	79-00-5	133.4	ND	0.50		ND	2.7
2-Hexanone(MBK)	591-78-6	100.1	ND	0.50		ND	2.0
Tetrachloroethene	127-18-4	165.8	**2.4**	0.50		**16**	3.4
Dibromochloromethane	124-48-1	208.3	ND	0.50		ND	4.3
1,2-Dibromoethane	106-93-4	187.8	ND	0.50		ND	3.8
Chlorobenzene	108-90-7	112.6	ND	0.50		ND	2.3
Ethylbenzene	100-41-4	106.2	ND	0.50		ND	2.2
Xylene (p,m)	1330-20-7	106.2	ND	1.0		ND	4.3
Xylene (Ortho)	95-47-6	106.2	ND	0.50		ND	2.2
Styrene	100-42-5	104.1	ND	0.50		ND	2.1
Isopropylbenzene (cumene)	98-82-8	120.19	ND	0.50		ND	2.5
Bromoform	75-25-2	252.8	ND	0.50		ND	5.2
1,1,2,2-Tetrachloroethane	79-34-5	167.9	ND	0.50		ND	3.4

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EMSL Order: 491201121
EMSL Sample ID: 491201121-2
Received Date: 11/16/2012
Report Date: 11/21/2012

Project: 45 Indice St.
Client Sample ID: SV #1

Sampling Date: 11/15/2012
Canister ID: HD2291

Lab File ID: M2603.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Target Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Target Compounds	CAS#	MW	Result ppbv	RL ppbv	Q	Result ug/m3	RL ug/m3
4-Ethyltoluene	622-96-8	120.2	ND	0.50		ND	2.5
1,3,5-Trimethylbenzene	108-67-8	120.2	ND	0.50		ND	2.5
2-Chlorotoluene	95-49-8	126.6	ND	0.50		ND	2.6
1,2,4-Trimethylbenzene	95-63-6	120.2	ND	0.50		ND	2.5
1,3-Dichlorobenzene	541-73-1	147.0	ND	0.50		ND	3.0
1,4-Dichlorobenzene	106-46-7	147.0	ND	0.50		ND	3.0
Benzyl chloride	100-44-7	126.0	ND	0.50		ND	2.6
1,2-Dichlorobenzene	95-50-1	147.0	ND	0.50		ND	3.0
1,2,4-Trichlorobenzene	120-82-1	181.5	ND	0.50		ND	3.7
Hexachloro-1,3-butadiene	87-68-3	260.8	ND	0.50		ND	5.3
Naphthalene	91-20-3	128.17	ND	0.50		ND	2.6

ND = Non Detect

Surrogate	Result	Spike	Recovery
4-Bromofluorobenzene	11.6	10	116%

Qualifier Definitions

B = Compound also found in method blank.
E= Estimated concentration exceeding upper calibration range.
D= Result reported from diluted analysis.

NJDEP Certification #: 03036

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Received Date: 11/16/2012
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Project: 45 Indice St.
Client Sample ID: SV #1

Sampling Date: 11/15/2012
Canister ID: HD2291

Lab File ID: M2603.D
Sample Vol(ml): 250
Dilution Factor: 1

Analysis Date: 11/20/2012
Instrument ID: 5973M
Analyst Initials: MTH

Tentatively Identified Compound Results Summary

USEPA: Compendium Method TO-15, "Determination of Volatile Organic Compounds (VOCs) in Air..." Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS), January 1999, (EPA/625/R-96/010b).

Tentatively Identified Compounds	CAS#	MW(1)	Result ppbv	Q	Result ug/m3	Retention Time
Propyne	000074-99-7	40	**8.2**	JN	**13**	4.90
Alkene-		92	**20**	J	**76**	5.26
Unknown		92	**2.9**	J	**11**	5.40
Unknown		92	**2**	J	**7.6**	5.66
Unknown hydrocarbon		92	**1**	J	**3.8**	6.02
Butane, 2-methyl-	000078-78-4	72	**3.8**	JN	**11**	6.19
Unknown hydrocarbon		92	**6**	J	**22**	6.63
Unknown hydrocarbon		92	**3.1**	J	**12**	6.76
Unknown		92	**4.3**	J	**16**	7.20
Unknown		92	**1**	J	**3.8**	7.63
Pentane, 2-methyl-	000107-83-5	86	**1**	JN	**8.7**	8.18
1,3-Cyclopentadiene	000542-92-7	66	**2.1**	JN	**5.8**	8.30
Hexane, 3-methyl-	000589-34-4	100	**1.7**	JN	**6.8**	11.48
Unknown		92	**1.5**	J	**5.6**	11.85

Qualifier Definitions

(1) = If unknown, MW is assigned as equivalent Toluene (92) for ug/m3 conversion purposes.

B = Compound also found in method blank.

J= Estimated value based on a 1:1 response to internal standard.

N= Presumptive evidence of compound based on library match.

NJDEP Certification #: 03036

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USEPA TO-15

External Chain of Custody/ Field Test Data Sheet

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Fax (856) 786-0327

EMSL ANALYTICAL, INC. LABORATORY • PRODUCTS • TRAINING

EMSL Order Number (Lab Use Only): 4912011121

Report To Contact Name: Andrew Gasparro	Bill To Company: Landmark Consultants		Sampled By (Sign):
Company Name: Landmark Consultants Corp	Attention To:		Sampled By (Name): Paul McGahe
Address 1: 528 Leonard St.	Address 1:		Total # of Samples:
Address 2: Brooklyn, NY 11222	Address 2:		Date Shipped:
Phone No.: 718 383-[illegible] Fax: 718 349-[illegible]38	Phone No.:	Fax:	Sample Collection Zip Code:
Email Results To: alg@landmarkconsult.com	Project Name: 45 Indian St.		Purchase Order:

Turnaround Time (in Business Days): ☐ 10 Day Standard ☐ 5 Day ☐ 4 Day ☒ 3 Day ☐ 2 Day ☐ 1 Day ☐ Other

Reporting Format: ☐ Results Only (Standard Lab Report) ☒ Full Deliverables (Surcharge may apply) ☐ Other

Field Use - All Information Required! Lab Use Only

EMSL Sample Identifier	Client Field Sample Identification	Sampling Start Information: Start Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp. (F)	Sampling Stop Information: Stop Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp. (F)	Canister Information: Canister ID	Size (L)	Can Cert Batch ID	Outgoing Pressure ("Hg)	Incoming Pressure ("Hg)	Flow Contoller: Reg. ID	Cal Flow (ml/min)	Analysis: USEPA TO-15	NJDEP LLTO-15	LIBRARY SEARCH	Other (Specify)	Matrix: Indoor/ Ambient Air	Soil Gas	Landfill/ Vent
		11/15/12	12:14	-27	48°F	Bad	Regulator			HD 1476	1.4	H0103	-30.0	0.0	3823	9.8	X		X			X	
	SV #2	11/15/12	12:55	-30.2	48°F	11/15/12	15:01	-3	45°F	HD 2180	↓	↓	↓	-1.0	3698	10.1	X		X			X	
	SV #1	11/15/12	12:37	-28.7	48°F	11/15/12	14:32	0	45°F	HD 2291	↓	↓	↓	0.0	3639	9.8	X		X			X	
							14:32																

Comments:

Lab Canister Certification

Analyst Signature (TO-15):

Relinquished by:	Date/ Time	Received by:	Date/ Time	Affixed Seal #	Reason for Exchange (circle appropriate)
[illegible]	11/11/12 1900	[illegible]	11-13-12 07:10	—	Shipping Courier Receiving Sampling Other:
[illegible]	11-13-12 10:45	[illegible]	11-15-12 09:10		Shipping Courier Receiving Sampling Other:
[illegible]		A. Longo	11/16/12 1PM		Shipping Courier Receiving Sampling Other:
		cc	11/16/12	4:55 PM	Shipping Courier Receiving Sampling Other:
cc	11/16/12	4:55 PM		COUR	Shipping Courier Receiving Sampling Other:

[illegible] 11/19/12 17:30

2012 NOV 16 PM 1:1 RECEIVED CINNAMINSON

Page __ of __

4/9/20 1121

TO-15 Sample Information

Please fill out this worksheet in addition to the Chain of Custody form. This information helps us to best analyze your samples and achieve requested TAT

Company: Landmark Consultants Corporation

Contact Person:

Name: Andrew Casparro

E-mail: alg@landmarkconsult.com

Additional E-mail: paul@landmarkconsult.com

Telephone #: 718 383-6800 **Fax:** 718 349-0438

Do you want your results emailed? [X] YES [ ] NO

Library Search requested: [X] YES [ ] NO

A library search will identify up to 20 of the largest, non-target peaks that are not part of the standard TO-15 list of 74 compounds. If you are performing an Indoor Air Quality or odor investigation the library search is recommended. If you will need help interpreting your report the library search is REQUIRED.

Sample Type:

[ ] Indoor Air Quality (Home/Office) [ ] Vent Gas [X] Soil Gas
[ ] IAQ (Industrial) [ ] Other: _____

Description of sample (Important for the lab to achieve your requested turnaround time):

Are there any special detection limits, specific set of compounds, or any other specifics you need in your report?

[ ] Permissable Exposure Limits [X] NO
[ ] TVOC
[ ] Other (Please list or attach separate sheet)

Do you need any additional analysis on the canister sample? (additional charges will apply) No

Draeger CMS Analyzer:
CO ; CO_2 ; SO_2 ; EtO ; NH3 ; Cl_2 ; H_2S ; NO_2 ; NOx ; O_2 ; Pet. Hydrocarbs ; Phosgene ; Phosphene

US EPA TO-3:
C_1-C_6 hydrocarbons ; Methane only

ASTM-D5504:
Sulfur Scan (H_2S, COS, MeSH, EtSH, DMS) ; H_2S only

Sample Retention Policy: All canisters are guaranteed to be retained for one day after results are reported. Please review your results promptly to ensure that your project scope is fully addressed. Cans may be retained for a longer period of time but arrangements to hold your cans must be made through your customer account representative quickly. Thank you.

491201121

EMSL Courier Agreement

EMSL Analytical, Inc
1056 Stelton Road
Piscataway, NJ 08854
Phone: (732) 981-0550
Fax: (732) 981-0551

Company Name: Landmark Consultants Corp **Drop-off Laboratory:** Piscataway.

Analysis Requested: TO-15 **Analyzing Laboratory:** Cinnaminson

Is this to be a standing agreement for all samples of the analysis type listed above? ☐ YES ☐ NO

If no, Customer Project ID: _____

The samples identified above are being submitted to the laboratory listed above as the "Drop-off Laboratory" with the intent that they be transferred to the laboratory identified as the "Analyzing Laboratory" as per contractual agreement. It is not the customer's intent to have the drop-off laboratory act as the analyzing laboratory of record, but rather to act as a courier to transfer the samples to the laboratory which the customer has chosen to analyze the samples as per any special instructions listed below. I understand that by signing below I agree that the drop-off laboratory does not accept the samples for analysis or make any statement regarding the quality of samples at the time they were received. Samples will not be checked against the Chain of Custody by the drop-off laboratory, but will be forwarded directly to the analyzing laboratory. The Turn Around Time checked on the Chain of Custody begins at the time the samples are delivered to the analyzing lab unless documented otherwise. I understand that contract review is the responsibility of the analyzing lab, and that the drop-off lab does not explicitly or implicitly approve the terms of the contract beyond its reasonable responsibilities as courier. I understand that the analytical report covering these samples will be sent directly to the contact on the chain of custody form from the analyzing laboratory, and that the drop-off lab is not responsible for the results reported.

Special Instructions:

Signature of Individual Authorizing Courier Service: [signature] **Date:** 11-16-12

Signature of Drop-off Lab Personnel Receiving Samples: A. Longo **Date:** 11/16/12.

2012 NOV 16 PM 5:02
RECEIVED

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Landmark Consultants Inc.
528 Leonard Street
Brooklyn NY, 11222
Attention: Andrew Gasparro

Report Date: 11/21/2012
Client Project ID: 45 India St. Brooklyn NYC OER #13EH-N190
York Project (SDG) No.: 12K0547

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA License No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 11/21/2012
Client Project ID: 45 India St. Brooklyn NYC OER #13EH-N190
York Project (SDG) No.: 12K0547

Landmark Consultants Inc.
528 Leonard Street
Brooklyn NY, 11222
Attention: Andrew Gasparro

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 19, 2012 and listed below. The project was identified as your project: **45 India St. Brooklyn NYC OER #13EH-N190**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
12K0547-01	Soil Boring#6 - 0-2'	Soil	11/14/2012	11/19/2012
12K0547-02	Soil Boring#6 - 5'-7'	Soil	11/14/2012	11/19/2012
12K0547-03	Soil Boring#7 - 0-2'	Soil	11/14/2012	11/19/2012
12K0547-04	Soil Boring#7 - 5'-7'	Soil	11/14/2012	11/19/2012
12K0547-05	Soil Boring#8 - 0-2'	Soil	11/14/2012	11/19/2012
12K0547-06	Soil Boring#8 - 10'-12'	Soil	11/14/2012	11/19/2012

General Notes for York Project (SDG) No.: 12K0547

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 11/21/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.30	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	ND		ug/kg dry	0.76	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.95	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.92	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.93	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	31	120	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.94	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
67-64-1	Acetone	ND		ug/kg dry	15	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.91	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-25-2	Bromoform	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
67-66-3	Chloroform	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.67	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.68	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.86	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-09-2	Methylene chloride	**4.7**	J, B	ug/kg dry	2.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.5	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.97	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.85	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.2	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.71	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
100-42-5	Styrene	ND		ug/kg dry	0.77	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
108-88-3	Toluene	ND		ug/kg dry	0.90	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.82	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.64	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.4	35	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:18	SS

Surrogate Recoveries	Result	Acceptance Range

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*103 %*			*81.2-127*						

Semi-Volatiles, 8270 Target List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	71.3	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	94.6	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
62-53-3	Aniline	ND		ug/kg dry	113	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
120-12-7	Anthracene	ND		ug/kg dry	108	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	73.7	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	78.0	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	165	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	65.4	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	197	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	197	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	109	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	95.0	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	133	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	51.2	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	67.8	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	100	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	69.4	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	136	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	106	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.0	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	115	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
218-01-9	Chrysene	ND		ug/kg dry	90.6	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	79.2	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	91.8	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	80.0	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	129	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	121	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	62.3	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	103	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	161	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	124	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	138	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	87.9	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	248	394	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	172	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	166	394	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	101	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	87.1	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	197	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
206-44-0	Fluoranthene	ND		ug/kg dry	115	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
86-73-7	Fluorene	ND		ug/kg dry	94.6	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	116	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	66.6	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	147	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	56.4	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	89.8	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
78-59-1	Isophorone	ND		ug/kg dry	67.8	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	151	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	74.9	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	85.5	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.5	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	196	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	81.6	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	57.9	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	74.1	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	53.6	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	65.8	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	80.8	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	89.1	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	149	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
85-01-8	Phenanthrene	ND		ug/kg dry	103	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
108-95-2	Phenol	ND		ug/kg dry	85.1	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		ug/kg dry	80.4	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
110-86-1	Pyridine	ND		ug/kg dry	138	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	71.3	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	153	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	100	197	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 03:30	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*27.6 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*35.0 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*36.7 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.3 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*42.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*33.8 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	98.7	98.7	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.75	9.75	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
72-20-8	Endrin	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.80	7.80	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
309-00-2	Aldrin	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.95	1.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 11:52	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.1	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.04	20.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 08:47	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.9 %*	*30-150*

Metals, Target Analyte

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**13600**		mg/kg dry	1.21	2.36	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-36-0	Antimony	ND		mg/kg dry	0.260	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-38-2	Arsenic	**3.76**		mg/kg dry	0.402	1.18	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-39-3	Barium	**42.7**		mg/kg dry	0.154	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-41-7	Beryllium	**0.233**		mg/kg dry	0.118	0.118	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.118	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-70-2	Calcium	**1140**		mg/kg dry	0.047	5.91	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-47-3	Chromium	**17.5**		mg/kg dry	0.142	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-48-4	Cobalt	**8.77**		mg/kg dry	0.095	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-50-8	Copper	**14.3**		mg/kg dry	0.142	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7439-89-6	Iron	**18900**		mg/kg dry	0.768	2.36	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7439-92-1	Lead	**16.3**		mg/kg dry	0.201	0.355	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7439-95-4	Magnesium	**3230**		mg/kg dry	0.532	5.91	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7439-96-5	Manganese	**464**		mg/kg dry	0.130	1.18	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-02-0	Nickel	**23.8**		mg/kg dry	0.154	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-09-7	Potassium	**955**		mg/kg dry	4.00	11.8	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7782-49-2	Selenium	**3.65**		mg/kg dry	0.591	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-22-4	Silver	ND		mg/kg dry	0.118	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-23-5	Sodium	**84.8**		mg/kg dry	6.23	11.8	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-28-0	Thallium	ND		mg/kg dry	0.378	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-62-2	Vanadium	**25.6**		mg/kg dry	0.130	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW
7440-66-6	Zinc	**67.6**		mg/kg dry	0.106	0.591	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:13	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 0-2'** **York Sample ID:** **12K0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Mercury by 7470/7471

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.111	0.118	1	EPA SW846-7471	11/20/2012 12:32	11/21/2012 08:34	AA

Total Solids

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**84.6**		%	0.100	0.100	1	SM 2540G	11/20/2012 16:38	11/20/2012 16:38	AMC

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.28	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.73	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.91	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.88	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.96	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.89	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.99	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	29	110	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.90	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
67-64-1	Acetone	**36**		ug/kg dry	15	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.87	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-25-2	Bromoform	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
67-66-3	Chloroform	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.64	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.65	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.82	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-09-2	Methylene chloride	**4.7**	B, J	ug/kg dry	2.0	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.97	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.93	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.82	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.1	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.68	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
100-42-5	Styrene	ND		ug/kg dry	0.74	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
108-88-3	Toluene	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.79	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.61	11	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.3	33	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	22	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 17:56	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*117 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	68.1	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	90.3	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
62-53-3	Aniline	ND		ug/kg dry	108	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
120-12-7	Anthracene	ND		ug/kg dry	103	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	70.3	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	74.5	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	158	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	62.4	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	188	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	188	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	104	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	90.7	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	127	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.9	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	64.7	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	95.9	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	66.2	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	130	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	102	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	62.1	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	110	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
218-01-9	Chrysene	ND		ug/kg dry	86.5	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	75.6	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	87.6	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	76.4	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	123	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	116	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	59.4	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	98.6	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	153	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	118	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	132	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	83.9	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	164	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	237	376	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	158	376	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	96.7	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	83.1	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	188	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
206-44-0	Fluoranthene	ND		ug/kg dry	110	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
86-73-7	Fluorene	ND		ug/kg dry	90.3	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	111	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	63.6	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	140	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	53.8	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	85.8	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
78-59-1	Isophorone	ND		ug/kg dry	64.7	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	144	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	71.5	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	81.6	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.3	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	187	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	77.9	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	55.3	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	70.7	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	51.2	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	62.8	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	77.1	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	85.0	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	142	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
85-01-8	Phenanthrene	ND		ug/kg dry	98.2	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
108-95-2	Phenol	ND		ug/kg dry	81.3	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
129-00-0	Pyrene	ND		ug/kg dry	76.7	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
110-86-1	Pyridine	ND		ug/kg dry	132	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	68.1	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	146	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	95.5	188	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:02	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*33.7 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*36.3 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*37.8 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*40.2 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*39.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*39.8 %*	*30-130*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Pesticides/PCBs, EPA 8081/8082 List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	94.2	94.2	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.31	9.31	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.45	7.45	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.86	1.86	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:07	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	19.2	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.67	19.2	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:02	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*72.8 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*106 %*	*30-150*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**10900**		mg/kg dry	1.15	2.26	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-36-0	Antimony	ND		mg/kg dry	0.248	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-38-2	Arsenic	**6.20**		mg/kg dry	0.384	1.13	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-39-3	Barium	**50.6**		mg/kg dry	0.147	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-41-7	Beryllium	**0.421**		mg/kg dry	0.113	0.113	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.113	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-70-2	Calcium	**1570**		mg/kg dry	0.045	5.64	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-47-3	Chromium	**25.1**		mg/kg dry	0.135	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-48-4	Cobalt	**29.5**		mg/kg dry	0.090	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-50-8	Copper	**19.7**		mg/kg dry	0.135	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7439-89-6	Iron	**32700**		mg/kg dry	0.734	2.26	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7439-92-1	Lead	**155**		mg/kg dry	0.192	0.339	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7439-95-4	Magnesium	**2040**		mg/kg dry	0.508	5.64	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7439-96-5	Manganese	**1040**		mg/kg dry	0.124	1.13	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-02-0	Nickel	**22.4**		mg/kg dry	0.147	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-09-7	Potassium	**1180**		mg/kg dry	3.81	11.3	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7782-49-2	Selenium	**6.47**		mg/kg dry	0.564	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-22-4	Silver	ND		mg/kg dry	0.113	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-23-5	Sodium	**92.9**		mg/kg dry	5.95	11.3	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-28-0	Thallium	ND		mg/kg dry	0.361	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-62-2	Vanadium	**49.6**		mg/kg dry	0.124	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW
7440-66-6	Zinc	**47.1**		mg/kg dry	0.102	0.564	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:29	MW

Mercury by 7470/7471

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.106	0.113	1	EPA SW846-7471	11/20/2012 12:32	11/21/2012 08:34	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#6 - 5'-7'** **York Sample ID:** **12K0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Total Solids **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**88.6**		%	0.100	0.100	1	SM 2540G	11/20/2012 16:38	11/20/2012 16:38	AMC

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.30	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.78	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.98	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.94	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.95	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	31	120	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.96	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
67-64-1	Acetone	**24**		ug/kg dry	16	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.93	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-25-2	Bromoform	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
67-66-3	Chloroform	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.69	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.69	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.88	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-09-2	Methylene chloride	**3.7**	B, J	ug/kg dry	2.1	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
91-20-3	Naphthalene	**2.9**	J	ug/kg dry	2.6	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.99	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.87	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.2	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.73	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
100-42-5	Styrene	ND		ug/kg dry	0.79	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.92	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.84	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.65	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.4	36	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.1	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 18:33	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	**172**	J	ug/kg dry	72.1	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	95.5	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
62-53-3	Aniline	ND		ug/kg dry	114	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
120-12-7	Anthracene	**459**		ug/kg dry	109	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
56-55-3	Benzo(a)anthracene	**1150**		ug/kg dry	74.4	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
50-32-8	Benzo(a)pyrene	**892**		ug/kg dry	78.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
205-99-2	Benzo(b)fluoranthene	**819**		ug/kg dry	167	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
191-24-2	Benzo(g,h,i)perylene	**377**		ug/kg dry	66.1	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	199	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
207-08-9	Benzo(k)fluoranthene	**977**		ug/kg dry	199	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	110	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	95.9	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	134	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	51.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	68.5	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	102	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	70.1	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
117-81-7	Bis(2-ethylhexyl)phthalate	**217**		ug/kg dry	137	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	107	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.7	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	117	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
218-01-9	Chrysene	**1070**		ug/kg dry	91.6	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
53-70-3	Dibenzo(a,h)anthracene	**255**		ug/kg dry	80.0	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
132-64-9	Dibenzofuran	**111**	J	ug/kg dry	92.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	80.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	130	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	123	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	62.9	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	104	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	162	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	125	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	139	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	88.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	251	398	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	174	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	167	398	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	102	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.0	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	199	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
206-44-0	Fluoranthene	**1960**		ug/kg dry	117	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
86-73-7	Fluorene	**212**		ug/kg dry	95.5	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	117	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	67.3	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	148	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	56.9	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**435**		ug/kg dry	90.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
78-59-1	Isophorone	ND		ug/kg dry	68.5	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	153	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	75.6	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	86.4	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
91-20-3	Naphthalene	**151**	J	ug/kg dry	49.0	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	198	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	82.4	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	58.5	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/kg dry	74.8	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.1	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	66.5	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	81.6	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	90.0	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	150	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
85-01-8	Phenanthrene	**1670**		ug/kg dry	104	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
108-95-2	Phenol	ND		ug/kg dry	86.0	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
129-00-0	Pyrene	**1630**		ug/kg dry	81.2	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
110-86-1	Pyridine	ND		ug/kg dry	140	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	72.1	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	154	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	101	199	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 04:34	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*39.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*45.3 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*50.5 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.8 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*58.3 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*42.1 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	99.7	99.7	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.85	9.85	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
72-20-8	Endrin	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
60-57-1	Dieldrin	**2.77**		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.88	7.88	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
309-00-2	Aldrin	ND		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
50-29-3	4,4'-DDT	**82.0**		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
72-55-9	4,4'-DDE	**17.9**		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
72-54-8	4,4'-DDD	**3.49**		ug/kg dry	1.97	1.97	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:23	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.3	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.12	20.3	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:18	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.1 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.6 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**8840**		mg/kg dry	1.22	2.39	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-36-0	Antimony	ND		mg/kg dry	0.263	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-38-2	Arsenic	**9.38**		mg/kg dry	0.406	1.19	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-39-3	Barium	**165**		mg/kg dry	0.155	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.119	0.119	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.119	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-70-2	Calcium	**4890**		mg/kg dry	0.048	5.97	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-47-3	Chromium	**32.8**		mg/kg dry	0.143	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-48-4	Cobalt	**6.45**		mg/kg dry	0.096	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-50-8	Copper	**77.3**		mg/kg dry	0.143	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7439-89-6	Iron	**21400**		mg/kg dry	0.776	2.39	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7439-92-1	Lead	**528**		mg/kg dry	0.203	0.358	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7439-95-4	Magnesium	**2440**		mg/kg dry	0.537	5.97	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7439-96-5	Manganese	**333**		mg/kg dry	0.131	1.19	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 0-2'** **York Sample ID:** **12K0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Metals, Target Analyte

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	**25.8**		mg/kg dry	0.155	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-09-7	Potassium	**880**		mg/kg dry	4.04	11.9	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7782-49-2	Selenium	**5.38**		mg/kg dry	0.597	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-22-4	Silver	ND		mg/kg dry	0.119	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-23-5	Sodium	**111**		mg/kg dry	6.29	11.9	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-28-0	Thallium	ND		mg/kg dry	0.382	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-62-2	Vanadium	**29.1**		mg/kg dry	0.131	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW
7440-66-6	Zinc	**422**		mg/kg dry	0.107	0.597	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:34	MW

Mercury by 7470/7471

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	**0.199**		mg/kg dry	0.112	0.119	1	EPA SW846-7471	11/20/2012 12:32	11/21/2012 08:34	AA

Total Solids

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**83.7**		%	0.100	0.100	1	SM 2540G	11/20/2012 16:38	11/20/2012 16:38	AMC

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.31	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.79	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.99	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.95	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.96	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	32	120	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.97	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
67-64-1	Acetone	**29**		ug/kg dry	16	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.94	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-25-2	Bromoform	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
67-66-3	Chloroform	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.70	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.70	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.89	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-09-2	Methylene chloride	**3.6**	B, J	ug/kg dry	2.2	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.6	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.88	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.2	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.73	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
100-42-5	Styrene	ND		ug/kg dry	0.80	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
108-88-3	Toluene	ND		ug/kg dry	0.93	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.85	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.66	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.4	36	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	24	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:11	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81.2-127*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	74.3	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	98.5	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
62-53-3	Aniline	ND		ug/kg dry	117	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
120-12-7	Anthracene	ND		ug/kg dry	112	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	76.8	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	81.3	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	172	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	68.1	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	205	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	205	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	113	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	98.9	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	138	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	53.4	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.6	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	105	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.2	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	142	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	111	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	67.7	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	120	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
218-01-9	Chrysene	ND		ug/kg dry	94.4	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	82.5	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	95.6	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	83.3	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	134	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	126	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	64.9	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	108	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	167	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	129	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	144	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	91.5	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	179	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	259	410	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	172	410	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	105	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	90.7	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	205	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
206-44-0	Fluoranthene	ND		ug/kg dry	120	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
86-73-7	Fluorene	ND		ug/kg dry	98.5	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	121	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	69.4	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	153	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	58.7	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	93.6	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
78-59-1	Isophorone	ND		ug/kg dry	70.6	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	158	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	78.0	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	89.1	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.5	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	204	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	85.0	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	60.3	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	77.2	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	55.8	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	68.5	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	84.1	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	92.8	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	155	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
85-01-8	Phenanthrene	ND		ug/kg dry	107	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
108-95-2	Phenol	ND		ug/kg dry	88.7	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
129-00-0	Pyrene	ND		ug/kg dry	83.7	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
110-86-1	Pyridine	ND		ug/kg dry	144	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	74.3	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	159	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	104	205	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:05	SR
	Surrogate Recoveries	**Result**		**Acceptance Range**							

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*36.8 %*			*15-110*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*34.8 %*			*30-130*						
367-12-4	*Surrogate: 2-Fluorophenol*	*37.4 %*			*15-110*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*39.6 %*			*30-130*						
4165-62-2	*Surrogate: Phenol-d5*	*39.9 %*			*15-110*						
1718-51-0	*Surrogate: Terphenyl-d14*	*39.8 %*			*30-130*						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	103	103	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.2	10.2	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
72-20-8	Endrin	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
57-74-9	Chlordane, total	ND		ug/kg dry	8.13	8.13	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
309-00-2	Aldrin	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	2.03	2.03	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:38	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.9	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.37	20.9	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:35	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*61.9 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.7 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**11500**		mg/kg dry	1.26	2.46	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-36-0	Antimony	ND		mg/kg dry	0.271	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-38-2	Arsenic	**3.78**		mg/kg dry	0.419	1.23	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-39-3	Barium	**17.0**		mg/kg dry	0.160	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.123	0.123	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.123	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-70-2	Calcium	**957**		mg/kg dry	0.049	6.16	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-47-3	Chromium	**17.7**		mg/kg dry	0.148	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-48-4	Cobalt	**5.94**		mg/kg dry	0.099	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-50-8	Copper	**24.5**		mg/kg dry	0.148	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7439-89-6	Iron	**19600**		mg/kg dry	0.800	2.46	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7439-92-1	Lead	**12.8**		mg/kg dry	0.209	0.369	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7439-95-4	Magnesium	**3370**		mg/kg dry	0.554	6.16	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7439-96-5	Manganese	**189**		mg/kg dry	0.135	1.23	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-02-0	Nickel	**22.8**		mg/kg dry	0.160	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-09-7	Potassium	**1140**		mg/kg dry	4.16	12.3	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7782-49-2	Selenium	**3.47**		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.123	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-23-5	Sodium	**94.0**		mg/kg dry	6.49	12.3	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-28-0	Thallium	ND		mg/kg dry	0.394	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-62-2	Vanadium	**23.5**		mg/kg dry	0.135	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW
7440-66-6	Zinc	**39.1**		mg/kg dry	0.111	0.616	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:39	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#7 - 5'-7'** **York Sample ID:** **12K0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Mercury by 7470/7471 **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	**0.164**		mg/kg dry	0.116	0.123	1	EPA SW846-7471	11/20/2012 12:32	11/21/2012 08:34	AA

Total Solids **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**81.2**		%	0.100	0.100	1	SM 2540G	11/20/2012 16:38	11/20/2012 16:38	AMC

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.26	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	ND		ug/kg dry	0.68	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.85	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.96	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.82	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.90	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.83	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.92	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	27	100	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	0.97	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.8	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.84	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
67-64-1	Acetone	**47**		ug/kg dry	14	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
71-43-2	Benzene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.81	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-25-2	Bromoform	ND		ug/kg dry	0.98	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
67-66-3	Chloroform	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.60	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.95	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	0.95	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.60	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.76	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-09-2	Methylene chloride	**4.9**	B, J	ug/kg dry	1.9	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.2	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.91	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.87	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.76	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/kg dry	0.97	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
100-42-5	Styrene	ND		ug/kg dry	0.69	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	0.97	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
108-88-3	Toluene	ND		ug/kg dry	0.80	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.73	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.57	10	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.2	31	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 19:49	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*121 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*105 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	64.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	85.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
62-53-3	Aniline	ND		ug/kg dry	102	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
120-12-7	Anthracene	ND		ug/kg dry	97.1	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	66.5	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	70.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	149	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.0	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	178	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	178	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	98.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	85.7	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	120	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	61.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	90.7	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	62.6	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	123	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	96.0	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	58.7	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	104	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
218-01-9	Chrysene	ND		ug/kg dry	81.8	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	71.5	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	82.9	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	72.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	116	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	110	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	56.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	93.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	145	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	112	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	125	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	79.3	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	155	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	224	356	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	149	356	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	78.6	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	178	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
206-44-0	Fluoranthene	ND		ug/kg dry	104	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
86-73-7	Fluorene	ND		ug/kg dry	85.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	105	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	60.1	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	132	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.9	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	81.1	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
78-59-1	Isophorone	ND		ug/kg dry	61.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	137	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	67.6	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	77.2	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.8	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	177	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	73.6	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	52.3	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	66.9	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	59.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	72.9	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	80.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	134	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
85-01-8	Phenanthrene	ND		ug/kg dry	92.8	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
108-95-2	Phenol	ND		ug/kg dry	76.8	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
129-00-0	Pyrene	ND		ug/kg dry	72.6	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
110-86-1	Pyridine	ND		ug/kg dry	125	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	64.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	138	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	90.4	178	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 05:37	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*41.7 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.6 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*50.2 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*50.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*55.2 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*49.5 %*	*30-130*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Pesticides/PCBs, EPA 8081/8082 List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.1	89.1	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.80	8.80	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.04	7.04	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 12:53	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.26	18.1	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 09:51	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.2 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*79.3 %*	*30-150*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**10600**		mg/kg dry	1.09	2.13	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.235	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-38-2	Arsenic	**2.97**		mg/kg dry	0.363	1.07	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-39-3	Barium	**67.0**		mg/kg dry	0.139	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.107	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-70-2	Calcium	**1160**		mg/kg dry	0.043	5.34	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-47-3	Chromium	**15.0**		mg/kg dry	0.128	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-48-4	Cobalt	**6.87**		mg/kg dry	0.085	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-50-8	Copper	**17.0**		mg/kg dry	0.128	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7439-89-6	Iron	**17600**		mg/kg dry	0.694	2.13	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7439-92-1	Lead	**67.0**		mg/kg dry	0.181	0.320	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7439-95-4	Magnesium	**2670**		mg/kg dry	0.480	5.34	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7439-96-5	Manganese	**341**		mg/kg dry	0.117	1.07	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-02-0	Nickel	**21.4**		mg/kg dry	0.139	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-09-7	Potassium	**1210**		mg/kg dry	3.61	10.7	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7782-49-2	Selenium	**3.05**		mg/kg dry	0.534	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.107	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-23-5	Sodium	**122**		mg/kg dry	5.62	10.7	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-28-0	Thallium	ND		mg/kg dry	0.341	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-62-2	Vanadium	**23.7**		mg/kg dry	0.117	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW
7440-66-6	Zinc	**310**		mg/kg dry	0.096	0.534	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:43	MW

Mercury by 7470/7471

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.100	0.107	1	EPA SW846-7471	11/20/2012 12:32	11/21/2012 08:34	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 0-2'** **York Sample ID:** **12K0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Total Solids **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**93.7**		%	0.100	0.100	1	SM 2540G	11/20/2012 16:38	11/20/2012 16:38	AMC

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.30	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.77	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.96	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.92	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.94	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	31	120	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.95	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
67-64-1	Acetone	**74**		ug/kg dry	15	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.92	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-25-2	Bromoform	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
67-66-3	Chloroform	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.68	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.4	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.68	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.86	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-09-2	Methylene chloride	**4.4**	B, J	ug/kg dry	2.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.5	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.0	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.98	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.86	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.2	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.72	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
100-42-5	Styrene	ND		ug/kg dry	0.78	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.90	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.83	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.64	12	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.4	35	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.1	23	1	EPA SW846-8260B	11/20/2012 12:20	11/20/2012 20:27	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*109 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	72.7	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	96.4	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
62-53-3	Aniline	ND		ug/kg dry	115	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
120-12-7	Anthracene	ND		ug/kg dry	110	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	75.1	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	79.6	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	168	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	66.7	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	201	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	201	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	111	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	96.8	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	135	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	52.2	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	69.1	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	102	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	70.7	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	139	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	109	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-57-8	2-Chlorophenol	ND		ug/kg dry	66.3	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	118	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
218-01-9	Chrysene	ND		ug/kg dry	92.4	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	80.8	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	93.6	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	81.6	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	131	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	124	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	63.5	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	105	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	164	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	126	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	141	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	89.6	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	175	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	253	402	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	169	402	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	103	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.8	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	201	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
206-44-0	Fluoranthene	ND		ug/kg dry	118	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
86-73-7	Fluorene	ND		ug/kg dry	96.4	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	119	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	67.9	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	149	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	57.5	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	91.6	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
78-59-1	Isophorone	ND		ug/kg dry	69.1	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	154	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	76.4	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	87.2	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.4	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	200	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	83.2	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	59.1	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	75.5	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.7	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	67.1	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	82.4	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	90.8	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	152	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
85-01-8	Phenanthrene	ND		ug/kg dry	105	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
108-95-2	Phenol	ND		ug/kg dry	86.8	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
129-00-0	Pyrene	ND		ug/kg dry	82.0	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
110-86-1	Pyridine	ND		ug/kg dry	141	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	72.7	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	156	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	102	201	1	EPA SW-846 8270C	11/20/2012 13:22	11/21/2012 06:09	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*38.1 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.7 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*46.2 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*50.1 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*52.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*41.0 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	101	101	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.95	9.95	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
72-20-8	Endrin	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.96	7.96	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
309-00-2	Aldrin	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.99	1.99	5	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 13:08	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.5	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.20	20.5	1	EPA SW 846-8081/8082	11/20/2012 17:15	11/21/2012 10:07	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.3 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*94.3 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**6210**		mg/kg dry	1.23	2.41	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-36-0	Antimony	ND		mg/kg dry	0.265	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-38-2	Arsenic	**6.12**		mg/kg dry	0.410	1.21	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-39-3	Barium	**32.1**		mg/kg dry	0.157	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.121	0.121	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.121	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-70-2	Calcium	**888**		mg/kg dry	0.048	6.03	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-47-3	Chromium	**11.9**		mg/kg dry	0.145	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-48-4	Cobalt	**6.95**		mg/kg dry	0.096	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-50-8	Copper	**13.3**		mg/kg dry	0.145	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7439-89-6	Iron	**9100**		mg/kg dry	0.784	2.41	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7439-92-1	Lead	**4.61**		mg/kg dry	0.205	0.362	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Soil Boring#8 - 10'-12'** **York Sample ID:** **12K0547-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0547	45 India St. Brooklyn NYC OER #13EH-N190	Soil	November 14, 2012 3:00 pm	11/19/2012

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**2080**		mg/kg dry	0.543	6.03	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7439-96-5	Manganese	**62.8**		mg/kg dry	0.133	1.21	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-02-0	Nickel	**14.2**		mg/kg dry	0.157	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-09-7	Potassium	**1100**		mg/kg dry	4.07	12.1	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7782-49-2	Selenium	**2.18**		mg/kg dry	0.603	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-22-4	Silver	ND		mg/kg dry	0.121	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-23-5	Sodium	**78.4**		mg/kg dry	6.35	12.1	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-28-0	Thallium	ND		mg/kg dry	0.386	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-62-2	Vanadium	**18.7**		mg/kg dry	0.133	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW
7440-66-6	Zinc	**19.1**		mg/kg dry	0.109	0.603	1	EPA SW846-6010B	11/20/2012 16:20	11/20/2012 22:48	MW

Mercury by 7470/7471

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.113	0.121	1	EPA SW846-7471	11/20/2012 12:32	11/21/2012 08:34	AA

Total Solids

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**82.9**		%	0.100	0.100	1	SM 2540G	11/20/2012 16:38	11/20/2012 16:38	AMC

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BK20758 **Preparation Method:** EPA 5035B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0547-01	Soil Boring#6 - 0-2'	11/20/12
12K0547-02	Soil Boring#6 - 5'-7'	11/20/12
12K0547-03	Soil Boring#7 - 0-2'	11/20/12
12K0547-04	Soil Boring#7 - 5'-7'	11/20/12
12K0547-05	Soil Boring#8 - 0-2'	11/20/12
12K0547-06	Soil Boring#8 - 10'-12'	11/20/12
BK20758-BLK1	Blank	11/20/12
BK20758-BS1	LCS	11/20/12
BK20758-BSD1	LCS Dup	11/20/12
BK20758-MS1	Matrix Spike	11/20/12
BK20758-MSD1	Matrix Spike Dup	11/20/12

Batch ID: BK20770 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
12K0547-01	Soil Boring#6 - 0-2'	11/20/12
12K0547-02	Soil Boring#6 - 5'-7'	11/20/12
12K0547-03	Soil Boring#7 - 0-2'	11/20/12
12K0547-04	Soil Boring#7 - 5'-7'	11/20/12
12K0547-05	Soil Boring#8 - 0-2'	11/20/12
12K0547-06	Soil Boring#8 - 10'-12'	11/20/12

Batch ID: BK20781 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12K0547-01	Soil Boring#6 - 0-2'	11/20/12
12K0547-02	Soil Boring#6 - 5'-7'	11/20/12
12K0547-03	Soil Boring#7 - 0-2'	11/20/12
12K0547-04	Soil Boring#7 - 5'-7'	11/20/12
12K0547-05	Soil Boring#8 - 0-2'	11/20/12
12K0547-06	Soil Boring#8 - 10'-12'	11/20/12
BK20781-BLK1	Blank	11/20/12
BK20781-BS1	LCS	11/20/12

Batch ID: BK20786 **Preparation Method:** EPA 3550B **Prepared By:** KAM

YORK Sample ID	Client Sample ID	Preparation Date
12K0547-01	Soil Boring#6 - 0-2'	11/20/12
12K0547-02	Soil Boring#6 - 5'-7'	11/20/12
12K0547-03	Soil Boring#7 - 0-2'	11/20/12
12K0547-04	Soil Boring#7 - 5'-7'	11/20/12
12K0547-05	Soil Boring#8 - 0-2'	11/20/12
12K0547-06	Soil Boring#8 - 10'-12'	11/20/12
BK20786-BLK1	Blank	11/20/12
BK20786-BS1	LCS	11/20/12
BK20786-MS1	Matrix Spike	11/20/12
BK20786-MSD1	Matrix Spike Dup	11/20/12

YORK
ANALYTICAL LABORATORIES, INC.

Batch ID: BK20788 **Preparation Method:** EPA 3550B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
12K0547-01	Soil Boring#6 - 0-2'	11/20/12
12K0547-02	Soil Boring#6 - 5'-7'	11/20/12
12K0547-03	Soil Boring#7 - 0-2'	11/20/12
12K0547-04	Soil Boring#7 - 5'-7'	11/20/12
12K0547-05	Soil Boring#8 - 0-2'	11/20/12
12K0547-06	Soil Boring#8 - 10'-12'	11/20/12
BK20788-BLK1	Blank	11/20/12
BK20788-BS1	LCS	11/20/12

Batch ID: BK20797 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
12K0547-01	Soil Boring#6 - 0-2'	11/20/12
12K0547-02	Soil Boring#6 - 5'-7'	11/20/12
12K0547-03	Soil Boring#7 - 0-2'	11/20/12
12K0547-04	Soil Boring#7 - 5'-7'	11/20/12
12K0547-05	Soil Boring#8 - 0-2'	11/20/12
12K0547-06	Soil Boring#8 - 10'-12'	11/20/12
BK20797-BLK1	Blank	11/20/12
BK20797-SRM1	Reference	11/20/12

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
Blank (BK20758-BLK1)											Prepared & Analyzed: 11/20/2012
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	10	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	50	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	10	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	1.1	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
Blank (BK20758-BLK1)							Prepared & Analyzed: 11/20/2012				
sec-Butylbenzene	ND	5.0	ug/kg wet								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	10	"								
Surrogate: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.6*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*81.2-127*				
LCS (BK20758-BS1)							Prepared & Analyzed: 11/20/2012				
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		105	71.7-135				
1,1,1-Trichloroethane	56		"	50.0		112	72.6-137				
1,1,2,2-Tetrachloroethane	51		"	50.0		102	65.4-135				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	67.8-129				
1,1,2-Trichloroethane	48		"	50.0		96.4	68.6-132				
1,1-Dichloroethane	54		"	50.0		109	71.7-131				
1,1-Dichloroethylene	53		"	50.0		106	74.4-148				
1,1-Dichloropropylene	55		"	50.0		110	72.5-135				
1,2,3-Trichlorobenzene	52		"	50.0		104	62.7-139				
1,2,3-Trichloropropane	55		"	50.0		111	61.7-131				
1,2,4-Trichlorobenzene	54		"	50.0		107	65-139				
1,2,4-Trimethylbenzene	56		"	50.0		112	73.1-136				
1,2-Dibromo-3-chloropropane	52		"	50.0		103	53.3-149				
1,2-Dibromoethane	51		"	50.0		102	72.7-134				
1,2-Dichlorobenzene	55		"	50.0		109	71.6-125				
1,2-Dichloroethane	53		"	50.0		106	68.7-136				
1,2-Dichloropropane	57		"	50.0		115	68.2-136				
1,3,5-Trimethylbenzene	56		"	50.0		112	69.7-127				
1,3-Dichlorobenzene	57		"	50.0		113	69.8-129				
1,3-Dichloropropane	50		"	50.0		99.1	69.3-132				
1,4-Dichlorobenzene	56		"	50.0		111	71.3-129				
1,4-Dioxane	65		"	50.0		130	70-130				
2,2-Dichloropropane	49		"	50.0		98.5	65.5-131				
2-Butanone	49		"	50.0		97.8	70-130				
2-Chlorotoluene	54		"	50.0		107	64.2-120				
4-Chlorotoluene	58		"	50.0		116	68.8-129				
Acetone	46		"	50.0		91.7	70-130				
Benzene	54		"	50.0		108	70.4-128				
Bromobenzene	53		"	50.0		105	66.8-127				
Bromochloromethane	53		"	50.0		106	71.6-133				
Bromodichloromethane	57		"	50.0		114	70.6-136				
Bromoform	56		"	50.0		111	63.2-139				
Bromomethane	48		"	50.0		95.4	50.2-135				
Carbon tetrachloride	53		"	50.0		107	71.9-140				
Chlorobenzene	55		"	50.0		109	76.4-127				
Chloroethane	52		"	50.0		104	50.8-142				
Chloroform	54		"	50.0		108	73.6-132				

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
LCS (BK20758-BS1)							Prepared & Analyzed: 11/20/2012				
Chloromethane	50		ug/L	50.0		99.4	32.9-131				
cis-1,2-Dichloroethylene	51		"	50.0		102	69.5-128				
cis-1,3-Dichloropropylene	50		"	50.0		101	66.6-129				
Dibromochloromethane	54		"	50.0		108	71.4-135				
Dibromomethane	55		"	50.0		110	72.3-133				
Dichlorodifluoromethane	55		"	50.0		110	39.4-108	High Bias			
Ethyl Benzene	55		"	50.0		110	75.2-131				
Hexachlorobutadiene	56		"	50.0		113	60.5-130				
Isopropylbenzene	57		"	50.0		113	73.7-136				
Methyl tert-butyl ether (MTBE)	62		"	50.0		125	56.5-140				
Methylene chloride	50		"	50.0		101	58.4-120				
Naphthalene	50		"	50.0		100	55.2-150				
n-Butylbenzene	55		"	50.0		111	63.7-125				
n-Propylbenzene	56		"	50.0		112	67.8-128				
o-Xylene	53		"	50.0		106	70.4-126				
p- & m- Xylenes	110		"	100		112	73.8-130				
p-Isopropyltoluene	57		"	50.0		115	71.1-131				
sec-Butylbenzene	57		"	50.0		115	68.6-126				
Styrene	55		"	50.0		110	71.7-126				
tert-Butylbenzene	58		"	50.0		115	76.4-151				
Tetrachloroethylene	54		"	50.0		108	65-168				
Toluene	54		"	50.0		108	72.5-127				
trans-1,2-Dichloroethylene	51		"	50.0		102	62.2-144				
trans-1,3-Dichloropropylene	52		"	50.0		104	66-135				
Trichloroethylene	56		"	50.0		111	72.6-133				
Trichlorofluoromethane	53		"	50.0		107	51.5-131				
Vinyl Chloride	49		"	50.0		97.8	47-126				
Vinyl acetate	29		"	50.0		57.2	70-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*51.1*		*"*	*50.0*		*102*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*51.5*		*"*	*50.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*50.9*		*"*	*50.0*		*102*	*81.2-127*				

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
LCS Dup (BK20758-BSD1)								Prepared & Analyzed: 11/20/2012			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	71.7-135		1.59	22.3	
1,1,1-Trichloroethane	50		"	50.0		100	72.6-137		11.1	22.5	
1,1,2,2-Tetrachloroethane	52		"	50.0		104	65.4-135		2.48	23.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	67.8-129		11.9	25	
1,1,2-Trichloroethane	50		"	50.0		100	68.6-132		3.94	22.6	
1,1-Dichloroethane	63		"	50.0		126	71.7-131		14.8	22.8	
1,1-Dichloroethylene	58		"	50.0		115	74.4-148		8.37	26.8	
1,1-Dichloropropylene	47		"	50.0		93.9	72.5-135		16.0	22	
1,2,3-Trichlorobenzene	51		"	50.0		103	62.7-139		1.43	25.6	
1,2,3-Trichloropropane	51		"	50.0		103	61.7-131		7.39	24.2	
1,2,4-Trichlorobenzene	51		"	50.0		103	65-139		4.61	26.6	
1,2,4-Trimethylbenzene	53		"	50.0		105	73.1-136		5.79	24.3	
1,2-Dibromo-3-chloropropane	55		"	50.0		109	53.3-149		5.66	29.1	
1,2-Dibromoethane	51		"	50.0		101	72.7-134		0.355	21.1	
1,2-Dichlorobenzene	53		"	50.0		106	71.6-125		3.39	22.8	
1,2-Dichloroethane	54		"	50.0		107	68.7-136		1.30	21.6	
1,2-Dichloropropane	53		"	50.0		106	68.2-136		7.72	22.5	
1,3,5-Trimethylbenzene	53		"	50.0		107	69.7-127		4.47	23.3	
1,3-Dichlorobenzene	53		"	50.0		106	69.8-129		6.02	23.3	
1,3-Dichloropropane	50		"	50.0		100	69.3-132		1.34	22.4	
1,4-Dichlorobenzene	55		"	50.0		111	71.3-129		0.378	23.9	
1,4-Dioxane	90		"	50.0		181	70-130	High Bias	33.1	30	Non-dir.
2,2-Dichloropropane	56		"	50.0		112	65.5-131		13.0	22	
2-Butanone	63		"	50.0		126	70-130		25.0	30	
2-Chlorotoluene	52		"	50.0		105	64.2-120		2.34	23.3	
4-Chlorotoluene	55		"	50.0		110	68.8-129		5.50	23.5	
Acetone	57		"	50.0		114	70-130		21.8	30	
Benzene	53		"	50.0		106	70.4-128		1.76	21.8	
Bromobenzene	53		"	50.0		106	66.8-127		0.379	23.1	
Bromochloromethane	56		"	50.0		111	71.6-133		4.68	22	
Bromodichloromethane	54		"	50.0		108	70.6-136		5.64	22.7	
Bromoform	53		"	50.0		107	63.2-139		3.97	23.3	
Bromomethane	53		"	50.0		106	50.2-135		10.8	29.1	
Carbon tetrachloride	51		"	50.0		102	71.9-140		4.64	22.4	
Chlorobenzene	52		"	50.0		105	76.4-127		4.28	21.8	
Chloroethane	57		"	50.0		115	50.8-142		9.69	24	
Chloroform	55		"	50.0		111	73.6-132		3.09	21.9	
Chloromethane	53		"	50.0		107	32.9-131		7.03	22.8	
cis-1,2-Dichloroethylene	57		"	50.0		113	69.5-128		10.7	22	
cis-1,3-Dichloropropylene	47		"	50.0		93.6	66.6-129		7.21	22.7	
Dibromochloromethane	57		"	50.0		113	71.4-135		4.60	22.1	
Dibromomethane	54		"	50.0		108	72.3-133		1.08	23.1	
Dichlorodifluoromethane	58		"	50.0		116	39.4-108	High Bias	5.18	26	
Ethyl Benzene	53		"	50.0		106	75.2-131		3.36	22.5	
Hexachlorobutadiene	56		"	50.0		112	60.5-130		0.551	25.4	
Isopropylbenzene	53		"	50.0		106	73.7-136		6.31	23.2	
Methyl tert-butyl ether (MTBE)	80		"	50.0		159	56.5-140	High Bias	24.4	30.6	
Methylene chloride	59		"	50.0		117	58.4-120		15.1	23.8	
Naphthalene	52		"	50.0		104	55.2-150		4.35	29.4	
n-Butylbenzene	51		"	50.0		102	63.7-125		8.32	25.3	
n-Propylbenzene	54		"	50.0		108	67.8-128		3.85	28.9	
o-Xylene	52		"	50.0		104	70.4-126		2.00	22.7	
p- & m- Xylenes	110		"	100		107	73.8-130		4.41	23	
p-Isopropyltoluene	54		"	50.0		108	71.1-131		5.91	23.4	

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
LCS Dup (BK20758-BSD1)								Prepared & Analyzed: 11/20/2012			
sec-Butylbenzene	54		ug/L	50.0		109	68.6-126		5.18	23.3	
Styrene	54		"	50.0		108	71.7-126		1.55	21.9	
tert-Butylbenzene	55		"	50.0		109	76.4-151		4.99	45.4	
Tetrachloroethylene	50		"	50.0		100	65-168		7.65	27.9	
Toluene	53		"	50.0		106	72.5-127		2.36	22.9	
trans-1,2-Dichloroethylene	58		"	50.0		116	62.2-144		13.0	24.6	
trans-1,3-Dichloropropylene	52		"	50.0		105	66-135		1.13	23	
Trichloroethylene	52		"	50.0		105	72.6-133		6.30	21.9	
Trichlorofluoromethane	59		"	50.0		117	51.5-131		9.26	24.2	
Vinyl Chloride	53		"	50.0		106	47-126		7.97	25.5	
Vinyl acetate	36		"	50.0		72.3	70-130		23.3	30	
Surrogate: 1,2-Dichloroethane-d4	*48.6*		*"*	*50.0*		*97.2*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*52.5*		*"*	*50.0*		*105*	*63.5-145*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*81.2-127*				
Matrix Spike (BK20758-MS1)	*Source sample: 12K0547-04 (Soil Boring#7 - 5'-7')							Prepared & Analyzed: 11/20/2012			
1,1,1,2-Tetrachloroethane	47		ug/L	50.0	ND	93.6	73-125				
1,1,1-Trichloroethane	45		"	50.0	ND	90.9	69.7-117				
1,1,2,2-Tetrachloroethane	47		"	50.0	ND	95.0	67.4-136				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0	ND	102	67.6-103				
1,1,2-Trichloroethane	46		"	50.0	ND	91.9	57.6-124				
1,1-Dichloroethane	50		"	50.0	ND	101	58.4-122				
1,1-Dichloroethylene	46		"	50.0	ND	92.4	72.9-126				
1,1-Dichloropropylene	42		"	50.0	ND	83.5	61.8-118				
1,2,3-Trichlorobenzene	39		"	50.0	ND	78.2	67.9-119				
1,2,3-Trichloropropane	45		"	50.0	ND	90.0	45.9-150				
1,2,4-Trichlorobenzene	36		"	50.0	ND	72.3	72.1-114				
1,2,4-Trimethylbenzene	41		"	50.0	ND	81.3	61.9-109				
1,2-Dibromo-3-chloropropane	51		"	50.0	ND	101	18.1-176				
1,2-Dibromoethane	46		"	50.0	ND	91.8	41.3-139				
1,2-Dichlorobenzene	43		"	50.0	ND	86.6	44.1-124				
1,2-Dichloroethane	46		"	50.0	ND	92.6	60.2-122				
1,2-Dichloropropane	49		"	50.0	ND	97.4	57.2-130				
1,3,5-Trimethylbenzene	42		"	50.0	ND	83.9	61.2-103				
1,3-Dichlorobenzene	42		"	50.0	ND	84.3	38-133				
1,3-Dichloropropane	47		"	50.0	ND	94.3	68.7-122				
1,4-Dichlorobenzene	41		"	50.0	ND	82.7	38.7-133				
1,4-Dioxane	0.0		"	50.0	ND		70-130	Low Bias			
2,2-Dichloropropane	41		"	50.0	ND	82.7	71.7-105				
2-Butanone	50		"	50.0	ND	100	70-130				
2-Chlorotoluene	42		"	50.0	ND	84.3	41.8-127				
4-Chlorotoluene	43		"	50.0	ND	85.6	46.5-128				
Acetone	51		"	50.0	24	53.7	70-130	Low Bias			
Benzene	45		"	50.0	ND	90.8	59.1-115				
Bromobenzene	43		"	50.0	ND	86.1	46-135				
Bromochloromethane	44		"	50.0	ND	88.1	70.1-116				
Bromodichloromethane	47		"	50.0	ND	94.5	56.6-130				
Bromoform	47		"	50.0	ND	94.7	43.7-137				
Bromomethane	41		"	50.0	ND	81.6	34.6-120				
Carbon tetrachloride	46		"	50.0	ND	92.1	64.1-119				
Chlorobenzene	45		"	50.0	ND	89.1	38.3-132				
Chloroethane	45		"	50.0	ND	90.5	32.6-133				
Chloroform	46		"	50.0	ND	91.0	67.7-116				
Chloromethane	46		"	50.0	ND	91.4	33.1-109				

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
Matrix Spike (BK20758-MS1)	*Source sample: 12K0547-04 (Soil Boring#7 - 5'-7')						Prepared & Analyzed: 11/20/2012				
cis-1,2-Dichloroethylene	45		ug/L	50.0	ND	90.7	53.9-116				
cis-1,3-Dichloropropylene	42		"	50.0	ND	84.8	35.7-135				
Dibromochloromethane	49		"	50.0	ND	98.0	46.6-136				
Dibromomethane	49		"	50.0	ND	98.5	69.8-122				
Dichlorodifluoromethane	47		"	50.0	ND	94.5	37.9-98.1				
Ethyl Benzene	44		"	50.0	ND	88.4	45.3-123				
Hexachlorobutadiene	41		"	50.0	ND	81.1	43.4-102				
Isopropylbenzene	45		"	50.0	ND	89.4	70.3-110				
Methyl tert-butyl ether (MTBE)	63		"	50.0	ND	126	40.2-137				
Methylene chloride	49		"	50.0	2.9	91.5	39.2-109				
Naphthalene	43		"	50.0	ND	86.4	29.4-193				
n-Butylbenzene	39		"	50.0	ND	77.2	43.5-93.9				
n-Propylbenzene	42		"	50.0	ND	83.5	58.9-102				
o-Xylene	44		"	50.0	ND	88.8	41.5-115				
p- & m- Xylenes	88		"	100	ND	88.4	42.6-121				
p-Isopropyltoluene	43		"	50.0	ND	85.9	37.5-136				
sec-Butylbenzene	44		"	50.0	ND	89.0	38-130				
Styrene	45		"	50.0	ND	90.0	47.6-119				
tert-Butylbenzene	43		"	50.0	ND	86.0	68.9-142				
Tetrachloroethylene	51		"	50.0	ND	102	38.5-161				
Toluene	45		"	50.0	ND	89.0	48.1-124				
trans-1,2-Dichloroethylene	45		"	50.0	ND	90.8	67.6-121				
trans-1,3-Dichloropropylene	45		"	50.0	ND	90.1	47.5-135				
Trichloroethylene	44		"	50.0	ND	87.5	59.3-137				
Trichlorofluoromethane	46		"	50.0	ND	92.5	28.9-124				
Vinyl Chloride	45		"	50.0	ND	89.5	29.8-116				
Vinyl acetate	12		"	50.0	ND	24.8	70-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*49.4*		*"*	*50.0*		*98.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*50.7*		*"*	*50.0*		*101*	*81.2-127*				

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ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Batch BK20758 - EPA 5035B

Matrix Spike Dup (BK20758-MSD1) *Source sample: 12K0547-04 (Soil Boring#7 - 5'-7') Prepared & Analyzed: 11/20/2012

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	48		ug/L	50.0	ND	96.5	73-125		3.07	15.5	
1,1,1-Trichloroethane	62		"	50.0	ND	124	69.7-117	High Bias	30.7	15.6	Non-dir.
1,1,2,2-Tetrachloroethane	50		"	50.0	ND	99.2	67.4-136		4.35	25.2	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	66		"	50.0	ND	132	67.6-103	High Bias	25.1	15.6	Non-dir.
1,1,2-Trichloroethane	47		"	50.0	ND	93.3	57.6-124		1.56	20.4	
1,1-Dichloroethane	69		"	50.0	ND	138	58.4-122	High Bias	31.8	17.5	Non-dir.
1,1-Dichloroethylene	64		"	50.0	ND	128	72.9-126	High Bias	32.1	23.2	Non-dir.
1,1-Dichloropropylene	51		"	50.0	ND	102	61.8-118		20.4	15.6	Non-dir.
1,2,3-Trichlorobenzene	40		"	50.0	ND	80.5	67.9-119		2.90	17.8	
1,2,3-Trichloropropane	46		"	50.0	ND	92.4	45.9-150		2.65	22.5	
1,2,4-Trichlorobenzene	36		"	50.0	ND	72.2	72.1-114		0.138	26.8	
1,2,4-Trimethylbenzene	42		"	50.0	ND	83.8	61.9-109		3.00	26	
1,2-Dibromo-3-chloropropane	49		"	50.0	ND	98.2	18.1-176		3.11	27.7	
1,2-Dibromoethane	50		"	50.0	ND	99.9	41.3-139		8.45	20.5	
1,2-Dichlorobenzene	43		"	50.0	ND	86.8	44.1-124		0.161	25	
1,2-Dichloroethane	55		"	50.0	ND	110	60.2-122		17.5	25.1	
1,2-Dichloropropane	46		"	50.0	ND	91.6	57.2-130		6.10	25	
1,3,5-Trimethylbenzene	44		"	50.0	ND	88.8	61.2-103		5.63	25	
1,3-Dichlorobenzene	43		"	50.0	ND	85.5	38-133		1.39	25	
1,3-Dichloropropane	47		"	50.0	ND	93.9	68.7-122		0.467	17.4	
1,4-Dichlorobenzene	41		"	50.0	ND	82.6	38.7-133		0.0726	25	
1,4-Dioxane	0.0		"	50.0	ND		70-130	Low Bias		30	
2,2-Dichloropropane	56		"	50.0	ND	113	71.7-105	High Bias	30.8	25	Non-dir.
2-Butanone	78		"	50.0	ND	156	70-130	High Bias	43.9	30	Non-dir.
2-Chlorotoluene	41		"	50.0	ND	82.6	41.8-127		2.04	25	
4-Chlorotoluene	43		"	50.0	ND	86.5	46.5-128		1.02	25	
Acetone	87		"	50.0	24	127	70-130		81.2	30	Non-dir.
Benzene	53		"	50.0	ND	105	59.1-115		14.8	23.5	
Bromobenzene	45		"	50.0	ND	89.3	46-135		3.60	25	
Bromochloromethane	62		"	50.0	ND	124	70.1-116	High Bias	34.1	25	Non-dir.
Bromodichloromethane	47		"	50.0	ND	93.5	56.6-130		1.08	22.7	
Bromoform	52		"	50.0	ND	103	43.7-137		8.65	25	
Bromomethane	55		"	50.0	ND	110	34.6-120		29.7	25	Non-dir.
Carbon tetrachloride	58		"	50.0	ND	117	64.1-119		23.4	28.5	
Chlorobenzene	46		"	50.0	ND	92.4	38.3-132		3.64	36.2	
Chloroethane	62		"	50.0	ND	125	32.6-133		31.9	28.2	Non-dir.
Chloroform	64		"	50.0	ND	129	67.7-116	High Bias	34.3	23.7	Non-dir.
Chloromethane	60		"	50.0	ND	119	33.1-109	High Bias	26.5	25	Non-dir.
cis-1,2-Dichloroethylene	62		"	50.0	ND	124	53.9-116	High Bias	31.3	24.8	Non-dir.
cis-1,3-Dichloropropylene	42		"	50.0	ND	84.0	35.7-135		0.924	38.7	
Dibromochloromethane	52		"	50.0	ND	105	46.6-136		6.57	28.9	
Dibromomethane	50		"	50.0	ND	100	69.8-122		1.67	25	
Dichlorodifluoromethane	63		"	50.0	ND	125	37.9-98.1	High Bias	28.0	30.4	
Ethyl Benzene	46		"	50.0	ND	91.7	45.3-123		3.62	38.1	
Hexachlorobutadiene	40		"	50.0	ND	80.6	43.4-102		0.619	27	
Isopropylbenzene	45		"	50.0	ND	89.2	70.3-110		0.224	25	
Methyl tert-butyl ether (MTBE)	96		"	50.0	ND	193	40.2-137	High Bias	41.6	25	Non-dir.
Methylene chloride	69		"	50.0	2.9	132	39.2-109	High Bias	36.0	25	Non-dir.
Naphthalene	47		"	50.0	ND	93.5	29.4-193		7.83	29.3	
n-Butylbenzene	37		"	50.0	ND	74.6	43.5-93.9		3.37	25	
n-Propylbenzene	43		"	50.0	ND	85.6	58.9-102		2.46	25	
o-Xylene	46		"	50.0	ND	91.5	41.5-115		3.00	35.3	
p- & m- Xylenes	93		"	100	ND	92.9	42.6-121		4.95	37	
p-Isopropyltoluene	43		"	50.0	ND	86.6	37.5-136		0.789	25	

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ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20758 - EPA 5035B											
Matrix Spike Dup (BK20758-MSD1)	*Source sample: 12K0547-04 (Soil Boring#7 - 5'-7')						Prepared & Analyzed: 11/20/2012				
sec-Butylbenzene	45		ug/L	50.0	ND	90.3	38-130		1.45	25	
Styrene	47		"	50.0	ND	94.1	47.6-119		4.39	25	
tert-Butylbenzene	43		"	50.0	ND	85.9	68.9-142		0.0465	25	
Tetrachloroethylene	54		"	50.0	ND	109	38.5-161		6.33	38.3	
Toluene	44		"	50.0	ND	88.4	48.1-124		0.744	28.1	
trans-1,2-Dichloroethylene	64		"	50.0	ND	127	67.6-121	High Bias	33.3	25	Non-dir.
trans-1,3-Dichloropropylene	45		"	50.0	ND	90.2	47.5-135		0.111	25	
Trichloroethylene	42		"	50.0	ND	83.2	59.3-137		4.99	51.6	
Trichlorofluoromethane	64		"	50.0	ND	127	28.9-124	High Bias	31.7	27	Non-dir.
Vinyl Chloride	58		"	50.0	ND	115	29.8-116		25.2	21.8	Non-dir.
Vinyl acetate	18		"	50.0	ND	35.9	70-130	Low Bias	36.8	30	Non-dir.
Surrogate: 1,2-Dichloroethane-d4	*57.9*		*"*	*50.0*		*116*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*51.8*		*"*	*50.0*		*104*	*63.5-145*				
Surrogate: Toluene-d8	*49.3*		*"*	*50.0*		*98.5*	*81.2-127*				

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20786 - EPA 3550B											
Blank (BK20786-BLK1)											Prepared: 11/20/2012 Analyzed: 11/21/2012
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	167	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
2-Nitroaniline	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	333	"								
2,4-Dinitrophenol	ND	333	"								
2,6-Dinitrotoluene	ND	167	"								
2,4-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								

YORK
ANALYTICAL LABORATORIES, INC.

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20786 - EPA 3550B											
Blank (BK20786-BLK1)								Prepared: 11/20/2012 Analyzed: 11/21/2012			
4-Nitrophenol	ND	167	ug/kg wet								
2-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
Surrogate: 2,4,6-Tribromophenol	*1560*		*"*	*2500*		*62.4*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*846*		*"*	*1670*		*50.6*	*30-130*				
Surrogate: 2-Fluorophenol	*1470*		*"*	*2510*		*58.8*	*15-110*				
Surrogate: Nitrobenzene-d5	*1100*		*"*	*1670*		*65.5*	*30-130*				
Surrogate: Phenol-d5	*1410*		*"*	*2500*		*56.2*	*15-110*				
Surrogate: Terphenyl-d14	*988*		*"*	*1670*		*59.0*	*30-130*				
LCS (BK20786-BS1)								Prepared: 11/20/2012 Analyzed: 11/21/2012			
Acenaphthene	1160	167	ug/kg wet	1670		69.9	31.1-109				
Acenaphthylene	1120	167	"	1670		67.4	31.1-106				
Aniline	947	167	"	1670		56.8	5.07-149				
Anthracene	1120	167	"	1670		67.3	31.5-107				
Benzo(a)anthracene	1210	167	"	1670		72.9	31.5-115				
Benzo(a)pyrene	1380	167	"	1670		82.7	29.1-138				
Benzo(b)fluoranthene	1690	167	"	1670		101	14.9-131				
Benzo(g,h,i)perylene	191	167	"	1670		11.4	6.56-121				
Benzyl alcohol	1150	167	"	1670		68.8	25.4-119				
Benzo(k)fluoranthene	1570	167	"	1670		94.4	29.1-121				
Benzyl butyl phthalate	1370	167	"	1670		82.3	31.3-112				
4-Bromophenyl phenyl ether	998	167	"	1670		59.9	25.2-113				
4-Chloro-3-methylphenol	1400	167	"	1670		83.7	29.5-124				
4-Chloroaniline	1220	167	"	1670		73.0	10-177				
Bis(2-chloroethoxy)methane	1110	167	"	1670		66.5	27.9-111				
Bis(2-chloroethyl)ether	1130	167	"	1670		67.8	18-122				
Bis(2-chloroisopropyl)ether	1000	167	"	1670		60.2	9.62-123				
Bis(2-ethylhexyl)phthalate	1260	167	"	1670		75.4	25-105				
2-Chloronaphthalene	1070	167	"	1670		64.0	31.7-108				
2-Chlorophenol	1190	167	"	1670		71.2	20.3-125				
4-Chlorophenyl phenyl ether	1090	167	"	1670		65.4	23.6-110				
Chrysene	1100	167	"	1670		66.3	27.4-117				
Dibenzo(a,h)anthracene	356	167	"	1670		21.4	14.6-119				
Dibenzofuran	1130	167	"	1670		67.5	30.2-108				
Di-n-butyl phthalate	1150	167	"	1670		68.8	33.5-100				
1,2-Dichlorobenzene	1110	167	"	1670		66.7	22.8-114				
1,4-Dichlorobenzene	1150	167	"	1670		68.7	19.8-121				
1,3-Dichlorobenzene	1150	167	"	1670		68.8	20.6-119				
3,3'-Dichlorobenzidine	1420	167	"	1670		85.2	10-180				
2,4-Dichlorophenol	1230	167	"	1670		73.9	23.3-125				
Diethyl phthalate	1210	167	"	1670		72.8	29.7-111				
2,4-Dimethylphenol	1190	167	"	1670		71.2	29.8-115				
Dimethyl phthalate	1140	167	"	1670		68.3	27-118				

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20786 - EPA 3550B											
LCS (BK20786-BS1)								Prepared: 11/20/2012 Analyzed: 11/21/2012			
4,6-Dinitro-2-methylphenol	ND	333	ug/kg wet	1670			10-122	Low Bias			
2-Nitroaniline	1470	167	"	1670		88.2	40-140				
2,4-Dinitrophenol	ND	333	"	1670			10-151	Low Bias			
2,6-Dinitrotoluene	1540	167	"	1670		92.2	26.1-119				
2,4-Dinitrotoluene	1680	167	"	1670		101	21.4-126				
Di-n-octyl phthalate	2530	167	"	1670		152	19-129	High Bias			
Fluoranthene	977	167	"	1670		58.6	31.3-110				
Fluorene	1240	167	"	1670		74.3	29.9-108				
Hexachlorobenzene	1100	167	"	1670		65.9	31.7-102				
Hexachlorobutadiene	1040	167	"	1670		62.7	10.1-134				
Hexachlorocyclopentadiene	ND	167	"	1670			10-122	Low Bias			
Hexachloroethane	899	167	"	1670		53.9	20.2-114				
Indeno(1,2,3-cd)pyrene	307	167	"	1670		18.4	12.6-120				
Isophorone	1080	167	"	1670		64.7	27.2-113				
2-Methylnaphthalene	1220	167	"	1670		73.3	17.4-119				
2-Methylphenol	1160	167	"	1670		69.4	23.6-125				
3- & 4-Methylphenols	1070	167	"	1670		64.3	21.3-115				
Naphthalene	1160	167	"	1670		69.7	25.2-111				
3-Nitroaniline	1470	167	"	1670		88.1	9.73-147				
4-Nitroaniline	1980	167	"	1670		119	6.42-169				
Nitrobenzene	1220	167	"	1670		72.9	21.8-118				
4-Nitrophenol	ND	167	"	1670			10-136	Low Bias			
2-Nitrophenol	1300	167	"	1670		77.7	20.6-119				
N-nitroso-di-n-propylamine	1070	167	"	1670		64.0	25.3-118				
N-Nitrosodimethylamine	1100	167	"	1670		65.8	10-142				
N-Nitrosodiphenylamine	1240	167	"	1670		74.3	35.8-132				
Pentachlorophenol	1190	167	"	1670		71.4	3.68-146				
Phenanthrene	1110	167	"	1670		66.5	31.2-105				
Phenol	1170	167	"	1670		70.5	23.2-117				
Pyrene	1440	167	"	1670		86.5	26.3-124				
Pyridine	119	167	"	1670		7.16	10-122	Low Bias			
1,2,4-Trichlorobenzene	1090	167	"	1670		65.4	19.3-128				
2,4,5-Trichlorophenol	1230	167	"	1670		73.9	19.5-131				
2,4,6-Trichlorophenol	1220	167	"	1670		73.5	24.2-123				
Surrogate: 2,4,6-Tribromophenol	*1870*		*"*	*2500*		*74.8*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*929*		*"*	*1670*		*55.5*	*30-130*				
Surrogate: 2-Fluorophenol	*1780*		*"*	*2510*		*71.1*	*15-110*				
Surrogate: Nitrobenzene-d5	*1280*		*"*	*1670*		*76.4*	*30-130*				
Surrogate: Phenol-d5	*1690*		*"*	*2500*		*67.4*	*15-110*				
Surrogate: Terphenyl-d14	*1340*		*"*	*1670*		*80.2*	*30-130*				

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20786 - EPA 3550B											
Matrix Spike (BK20786-MS1)	*Source sample: 12K0547-01 (Soil Boring#6 - 0-2')							Prepared: 11/20/2012 Analyzed: 11/21/2012			
Acenaphthene	899	197	ug/kg dry	1970	ND	45.6	31.1-109				
Acenaphthylene	877	197	"	1970	ND	44.5	31.1-106				
Aniline	910	197	"	1970	ND	46.2	21-140				
Anthracene	869	197	"	1970	ND	44.1	31.5-107				
Benzo(a)anthracene	923	197	"	1970	ND	46.8	31.5-115				
Benzo(a)pyrene	999	197	"	1970	ND	50.7	29.1-138				
Benzo(b)fluoranthene	1250	197	"	1970	ND	63.7	14.9-131				
Benzo(g,h,i)perylene	170	197	"	1970	ND	8.64	6.56-121				
Benzyl alcohol	913	197	"	1970	ND	46.3	25.4-119				
Benzo(k)fluoranthene	1160	197	"	1970	ND	59.0	29.1-121				
Benzyl butyl phthalate	1110	197	"	1970	ND	56.6	31.3-112				
4-Bromophenyl phenyl ether	776	197	"	1970	ND	39.4	25.2-113				
4-Chloro-3-methylphenol	1230	197	"	1970	ND	62.4	29.5-124				
4-Chloroaniline	1300	197	"	1970	ND	66.1	10-177				
Bis(2-chloroethoxy)methane	909	197	"	1970	ND	46.1	27.9-111				
Bis(2-chloroethyl)ether	919	197	"	1970	ND	46.7	18-122				
Bis(2-chloroisopropyl)ether	806	197	"	1970	ND	40.9	9.62-123				
Bis(2-ethylhexyl)phthalate	1050	197	"	1970	ND	53.3	25-105				
2-Chloronaphthalene	822	197	"	1970	ND	41.7	31.7-108				
2-Chlorophenol	981	197	"	1970	ND	49.8	20.3-125				
4-Chlorophenyl phenyl ether	873	197	"	1970	ND	44.3	23.6-110				
Chrysene	842	197	"	1970	ND	42.7	27.4-117				
Dibenzo(a,h)anthracene	277	197	"	1970	ND	14.1	14.6-119	Low Bias			
Dibenzofuran	893	197	"	1970	ND	45.3	30.2-108				
Di-n-butyl phthalate	895	197	"	1970	ND	45.4	33.5-100				
1,2-Dichlorobenzene	852	197	"	1970	ND	43.2	22.8-114				
1,4-Dichlorobenzene	850	197	"	1970	ND	43.1	19.8-121				
1,3-Dichlorobenzene	843	197	"	1970	ND	42.8	20.6-119				
3,3'-Dichlorobenzidine	868	197	"	1970	ND	44.1	10-180				
2,4-Dichlorophenol	1030	197	"	1970	ND	52.1	23.3-125				
Diethyl phthalate	970	197	"	1970	ND	49.2	29.7-111				
2,4-Dimethylphenol	972	197	"	1970	ND	49.3	29.8-115				
Dimethyl phthalate	867	197	"	1970	ND	44.0	27-118				
2-Nitroaniline	1170	197	"	1970	ND	59.5	40-140				
4,6-Dinitro-2-methylphenol	ND	394	"	1970	ND		10-122	Low Bias			
2,4-Dinitrophenol	ND	394	"	1970	ND		10-151	Low Bias			
2,6-Dinitrotoluene	1230	197	"	1970	ND	62.7	26.1-119				
2,4-Dinitrotoluene	1300	197	"	1970	ND	66.0	21.4-126				
Di-n-octyl phthalate	2140	197	"	1970	ND	109	19-129				
Fluoranthene	726	197	"	1970	ND	36.8	31.3-110				
Fluorene	989	197	"	1970	ND	50.2	29.9-108				
Hexachlorobenzene	848	197	"	1970	ND	43.0	31.7-102				
Hexachlorobutadiene	807	197	"	1970	ND	41.0	10.1-134				
Hexachlorocyclopentadiene	ND	197	"	1970	ND		10-122	Low Bias			
Hexachloroethane	631	197	"	1970	ND	32.0	20.2-114				
Indeno(1,2,3-cd)pyrene	262	197	"	1970	ND	13.3	12.6-120				
Isophorone	874	197	"	1970	ND	44.4	27.2-113				
2-Methylnaphthalene	1030	197	"	1970	ND	52.5	17.4-119				
2-Methylphenol	941	197	"	1970	ND	47.7	23.6-125				
3- & 4-Methylphenols	887	197	"	1970	ND	45.0	21.3-115				
Naphthalene	954	197	"	1970	ND	48.4	25.2-111				
3-Nitroaniline	1470	197	"	1970	ND	74.6	9.73-147				
4-Nitroaniline	1610	197	"	1970	ND	81.9	6.42-169				
Nitrobenzene	994	197	"	1970	ND	50.4	21.8-118				

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20786 - EPA 3550B											
Matrix Spike (BK20786-MS1)	*Source sample: 12K0547-01 (Soil Boring#6 - 0-2')							Prepared: 11/20/2012 Analyzed: 11/21/2012			
4-Nitrophenol	ND	197	ug/kg dry	1970	ND		10-136	Low Bias			
2-Nitrophenol	1060	197	"	1970	ND	53.9	20.6-119				
N-nitroso-di-n-propylamine	861	197	"	1970	ND	43.7	25.3-118				
N-Nitrosodimethylamine	566	197	"	1970	ND	28.7	21-140				
N-Nitrosodiphenylamine	1000	197	"	1970	ND	51.0	35.8-132				
Pentachlorophenol	880	197	"	1970	ND	44.7	3.68-146				
Phenanthrene	864	197	"	1970	ND	43.9	31.2-105				
Phenol	987	197	"	1970	ND	50.1	23.2-117				
Pyrene	1150	197	"	1970	ND	58.3	26.3-124				
Pyridine	ND	197	"	1970	ND		21-140	Low Bias			
1,2,4-Trichlorobenzene	869	197	"	1970	ND	44.1	19.3-128				
2,4,5-Trichlorophenol	1010	197	"	1970	ND	51.4	19.5-131				
2,4,6-Trichlorophenol	956	197	"	1970	ND	48.5	24.2-123				
Surrogate: 2,4,6-Tribromophenol	*1410*		*"*	*2960*		*47.8*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*659*		*"*	*1980*		*33.3*	*30-130*				
Surrogate: 2-Fluorophenol	*1370*		*"*	*2960*		*46.1*	*15-110*				
Surrogate: Nitrobenzene-d5	*966*		*"*	*1980*		*48.8*	*30-130*				
Surrogate: Phenol-d5	*1340*		*"*	*2960*		*45.4*	*15-110*				
Surrogate: Terphenyl-d14	*1030*		*"*	*1980*		*52.3*	*30-130*				
Matrix Spike Dup (BK20786-MSD1)	*Source sample: 12K0547-01 (Soil Boring#6 - 0-2')							Prepared: 11/20/2012 Analyzed: 11/21/2012			
Acenaphthene	984	197	ug/kg dry	1970	ND	49.9	31.1-109		8.96	30	
Acenaphthylene	957	197	"	1970	ND	48.6	31.1-106		8.77	30	
Aniline	1020	197	"	1970	ND	51.5	21-140		11.0	35	
Anthracene	936	197	"	1970	ND	47.5	31.5-107		7.47	30	
Benzo(a)anthracene	986	197	"	1970	ND	50.0	31.5-115		6.57	30	
Benzo(a)pyrene	1070	197	"	1970	ND	54.1	29.1-138		6.41	30	
Benzo(b)fluoranthene	1280	197	"	1970	ND	65.0	14.9-131		2.02	30	
Benzo(g,h,i)perylene	203	197	"	1970	ND	10.3	6.56-121		17.3	30	
Benzyl alcohol	1020	197	"	1970	ND	51.8	25.4-119		11.2	30	
Benzo(k)fluoranthene	1190	197	"	1970	ND	60.2	29.1-121		1.98	30	
Benzyl butyl phthalate	1140	197	"	1970	ND	57.7	31.3-112		2.03	30	
4-Bromophenyl phenyl ether	854	197	"	1970	ND	43.4	25.2-113		9.57	30	
4-Chloro-3-methylphenol	1230	197	"	1970	ND	62.3	29.5-124		0.193	30	
4-Chloroaniline	1280	197	"	1970	ND	65.0	10-177		1.71	30	
Bis(2-chloroethoxy)methane	969	197	"	1970	ND	49.2	27.9-111		6.42	30	
Bis(2-chloroethyl)ether	915	197	"	1970	ND	46.4	18-122		0.473	30	
Bis(2-chloroisopropyl)ether	864	197	"	1970	ND	43.8	9.62-123		6.94	30	
Bis(2-ethylhexyl)phthalate	1070	197	"	1970	ND	54.4	25-105		2.08	30	
2-Chloronaphthalene	917	197	"	1970	ND	46.5	31.7-108		10.9	30	
2-Chlorophenol	1050	197	"	1970	ND	53.4	20.3-125		6.94	30	
4-Chlorophenyl phenyl ether	925	197	"	1970	ND	47.0	23.6-110		5.78	30	
Chrysene	901	197	"	1970	ND	45.7	27.4-117		6.83	30	
Dibenzo(a,h)anthracene	366	197	"	1970	ND	18.6	14.6-119		27.7	30	
Dibenzofuran	961	197	"	1970	ND	48.8	30.2-108		7.27	30	
Di-n-butyl phthalate	955	197	"	1970	ND	48.5	33.5-100		6.47	30	
1,2-Dichlorobenzene	910	197	"	1970	ND	46.2	22.8-114		6.58	30	
1,4-Dichlorobenzene	884	197	"	1970	ND	44.9	19.8-121		3.96	30	
1,3-Dichlorobenzene	915	197	"	1970	ND	46.4	20.6-119		8.25	30	
3,3'-Dichlorobenzidine	973	197	"	1970	ND	49.4	10-180		11.4	30	
2,4-Dichlorophenol	1090	197	"	1970	ND	55.1	23.3-125		5.63	30	
Diethyl phthalate	1010	197	"	1970	ND	51.4	29.7-111		4.29	30	
2,4-Dimethylphenol	1050	197	"	1970	ND	53.4	29.8-115		8.02	30	
Dimethyl phthalate	945	197	"	1970	ND	48.0	27-118		8.65	30	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20786 - EPA 3550B											
Matrix Spike Dup (BK20786-MSD1)	*Source sample: 12K0547-01 (Soil Boring#6 - 0-2')							Prepared: 11/20/2012 Analyzed: 11/21/2012			
2-Nitroaniline	1230	197	ug/kg dry	1970	ND	62.6	40-140		5.07	30	
4,6-Dinitro-2-methylphenol	ND	394	"	1970	ND		10-122	Low Bias		30	
2,4-Dinitrophenol	ND	394	"	1970	ND		10-151	Low Bias		30	
2,6-Dinitrotoluene	1330	197	"	1970	ND	67.4	26.1-119		7.23	30	
2,4-Dinitrotoluene	1370	197	"	1970	ND	69.4	21.4-126		5.11	30	
Di-n-octyl phthalate	1940	197	"	1970	ND	98.7	19-129		9.48	30	
Fluoranthene	813	197	"	1970	ND	41.2	31.3-110		11.3	30	
Fluorene	1050	197	"	1970	ND	53.3	29.9-108		5.99	30	
Hexachlorobenzene	880	197	"	1970	ND	44.7	31.7-102		3.69	30	
Hexachlorobutadiene	875	197	"	1970	ND	44.4	10.1-134		8.01	30	
Hexachlorocyclopentadiene	ND	197	"	1970	ND		10-122	Low Bias		30	
Hexachloroethane	718	197	"	1970	ND	36.4	20.2-114		12.9	30	
Indeno(1,2,3-cd)pyrene	327	197	"	1970	ND	16.6	12.6-120		21.9	30	
Isophorone	932	197	"	1970	ND	47.3	27.2-113		6.33	30	
2-Methylnaphthalene	1080	197	"	1970	ND	54.8	17.4-119		4.40	30	
2-Methylphenol	1030	197	"	1970	ND	52.0	23.6-125		8.62	30	
3- & 4-Methylphenols	976	197	"	1970	ND	49.5	21.3-115		9.52	30	
Naphthalene	1000	197	"	1970	ND	50.8	25.2-111		4.88	30	
3-Nitroaniline	1560	197	"	1970	ND	79.3	9.73-147		6.19	30	
4-Nitroaniline	1640	197	"	1970	ND	83.4	6.42-169		1.86	30	
Nitrobenzene	1060	197	"	1970	ND	54.0	21.8-118		6.82	30	
4-Nitrophenol	ND	197	"	1970	ND		10-136	Low Bias		30	
2-Nitrophenol	1150	197	"	1970	ND	58.3	20.6-119		7.81	30	
N-nitroso-di-n-propylamine	936	197	"	1970	ND	47.5	25.3-118		8.29	30	
N-Nitrosodimethylamine	944	197	"	1970	ND	47.9	21-140		50.0	35	Non-dir.
N-Nitrosodiphenylamine	1060	197	"	1970	ND	54.0	35.8-132		5.71	30	
Pentachlorophenol	991	197	"	1970	ND	50.3	3.68-146		11.9	30	
Phenanthrene	935	197	"	1970	ND	47.5	31.2-105		7.88	30	
Phenol	1060	197	"	1970	ND	53.8	23.2-117		7.16	30	
Pyrene	1150	197	"	1970	ND	58.2	26.3-124		0.240	30	
Pyridine	ND	197	"	1970	ND		21-140	Low Bias		35	
1,2,4-Trichlorobenzene	919	197	"	1970	ND	46.6	19.3-128		5.56	30	
2,4,5-Trichlorophenol	1060	197	"	1970	ND	53.9	19.5-131		4.71	30	
2,4,6-Trichlorophenol	1050	197	"	1970	ND	53.2	24.2-123		9.09	30	
Surrogate: 2,4,6-Tribromophenol	*1480*		*"*	*2960*		*49.9*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*657*		*"*	*1980*		*33.2*	*30-130*				
Surrogate: 2-Fluorophenol	*1290*		*"*	*2960*		*43.6*	*15-110*				
Surrogate: Nitrobenzene-d5	*859*		*"*	*1980*		*43.4*	*30-130*				
Surrogate: Phenol-d5	*1320*		*"*	*2960*		*44.7*	*15-110*				
Surrogate: Terphenyl-d14	*1020*		*"*	*1980*		*51.7*	*30-130*				

YORK
ANALYTICAL LABORATORIES, INC.

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20788 - EPA 3550B											
Blank (BK20788-BLK1)									Prepared: 11/20/2012 Analyzed: 11/21/2012		
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Aroclor 1260	ND	17.0	"								
Aroclor 1254	ND	17.0	"								
Aroclor 1248	ND	17.0	"								
Aroclor 1242	ND	17.0	"								
Aroclor 1232	ND	17.0	"								
Aroclor 1221	ND	17.0	"								
Aroclor 1016	ND	17.0	"								
Total PCBs	ND	17.0	"								
Surrogate: Tetrachloro-m-xylene	*29.1*		*"*	*67.0*		*43.4*	*30-150*				
Surrogate: Decachlorobiphenyl	*54.5*		*"*	*67.0*		*81.3*	*30-150*				

YORK
ANALYTICAL LABORATORIES, INC.

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20788 - EPA 3550B											
LCS (BK20788-BS1)								Prepared: 11/20/2012 Analyzed: 11/21/2012			
Methoxychlor	32.0	1.65	ug/kg wet	33.3		96.1	40-140				
Heptachlor epoxide	20.7	0.330	"	33.3		62.0	40-140				
Heptachlor	18.5	0.330	"	33.3		55.6	40-140				
gamma-BHC (Lindane)	17.6	0.330	"	33.3		52.8	40-140				
Endrin ketone	27.4	0.330	"	33.3		82.3	40-140				
Endrin aldehyde	23.6	0.330	"	33.3		70.8	40-140				
Endrin	26.7	0.330	"	33.3		80.0	40-140				
Endosulfan sulfate	29.1	0.330	"	33.3		87.3	40-140				
Endosulfan II	27.2	0.330	"	33.3		81.5	40-140				
Endosulfan I	23.9	0.330	"	33.3		71.6	40-140				
Dieldrin	24.1	0.330	"	33.3		72.3	40-140				
delta-BHC	24.4	0.330	"	33.3		73.1	40-140				
beta-BHC	23.3	0.330	"	33.3		70.0	40-140				
alpha-BHC	16.1	0.330	"	33.3		48.4	40-140				
Aldrin	17.6	0.330	"	33.3		52.7	40-140				
4,4'-DDT	32.7	0.330	"	33.3		98.1	40-140				
4,4'-DDE	23.9	0.330	"	33.3		71.7	40-140				
4,4'-DDD	29.0	0.330	"	33.3		86.9	40-140				
Surrogate: Tetrachloro-m-xylene	*28.9*		*"*	*67.0*		*43.2*	*30-150*				
Surrogate: Decachlorobiphenyl	*64.9*		*"*	*67.0*		*96.8*	*30-150*				

YORK
ANALYTICAL LABORATORIES, INC.

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20797 - EPA 3050B											
Blank (BK20797-BLK1)								Prepared & Analyzed: 11/20/2012			
Aluminum	ND	2.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	0.500	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.500	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	1.00	"								
Nickel	ND	0.500	"								
Potassium	ND	10.0	"								
Selenium	ND	0.500	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	0.500	"								
Vanadium	ND	0.500	"								
Zinc	ND	0.500	"								
Reference (BK20797-SRM1)								Prepared & Analyzed: 11/20/2012			
Aluminum	6080	2.00	mg/kg wet	9310		65.3	43.3-157				
Antimony	138	0.500	"	120		115	20.8-253				
Arsenic	158	1.00	"	168		94.2	70.8-130				
Barium	199	0.500	"	213		93.3	73.2-127				
Beryllium	102	0.100	"	110		92.8	75.1-125				
Cadmium	89.7	0.500	"	103		87.1	73-126				
Calcium	6160	5.00	"	6870		89.7	74.4-126				
Chromium	102	0.500	"	119		86.1	69.7-129				
Cobalt	124	0.500	"	131		94.4	74.4-125				
Copper	110	0.500	"	118		93.4	74.6-125				
Iron	10800	2.00	"	13000		82.9	32.2-168				
Lead	67.9	0.300	"	76.9		88.3	68.7-131				
Magnesium	2270	5.00	"	2780		81.8	61.5-135				
Manganese	368	1.00	"	338		109	75.4-125				
Nickel	72.6	0.500	"	70.0		104	70.9-129				
Potassium	2620	10.0	"	3130		83.6	62.9-137				
Selenium	122	0.500	"	126		97.1	66.7-134				
Silver	37.0	0.500	"	42.3		87.5	66.2-134				
Sodium	543	10.0	"	350		155	42.9-157				
Thallium	196	0.500	"	208		94.2	69.2-121				
Vanadium	77.0	0.500	"	87.1		88.4	63.1-137				
Zinc	241	0.500	"	276		87.2	71.3-129				

YORK
ANALYTICAL LABORATORIES, INC.

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20781 - EPA SW846-7471											
Blank (BK20781-BLK1)								Prepared: 11/20/2012 Analyzed: 11/21/2012			
Mercury	ND	0.100	mg/kg wet								
LCS (BK20781-BS1)								Prepared: 11/20/2012 Analyzed: 11/21/2012			
Mercury	2.72		mg/kg	2.96		91.9	67.6-131				

YORK
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
12K0547-01	Soil Boring#6 - 0-2'	8 oz. WM Clear Glass Cool to 4° C
12K0547-02	Soil Boring#6 - 5'-7'	8 oz. WM Clear Glass Cool to 4° C
12K0547-03	Soil Boring#7 - 0-2'	8 oz. WM Clear Glass Cool to 4° C
12K0547-04	Soil Boring#7 - 5'-7'	8 oz. WM Clear Glass Cool to 4° C
12K0547-05	Soil Boring#8 - 0-2'	8 oz. WM Clear Glass Cool to 4° C
12K0547-06	Soil Boring#8 - 10'-12'	8 oz. WM Clear Glass Cool to 4° C

Notes and Definitions

VOA-CONT NON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A or NYSDOH ELAP. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page____ of ____

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12K0547

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Landmark Consultants, Corp	SAME [x]	SAME [x]	45 India St, Brooklyn	RUSH-Same Day ____	Summary Report x
Address: 528 Leaonard St	Name:	Name:	NYC OER #13EH-N190	RUSH-Next Day ____	QA Report ____
Brooklyn NY 11222	Company:	Company:	Purchase Order #	RUSH-Two Day ____	CT RCP ____
Phone.: 718-383-6800	Address:	Address:		RUSH-Three Day X	CT RCP DQA/DUE Pkg ____
Contact: Mr. Andrew L. Gasparro			12-1804	RUSH-Four Day ____	NY ASP A Package ____
E-mail: alg@landmarkconsult.com	E-mail:	E-mail	Samples from CT__NY_X_NJ__	Standard (5-7day)	NY ASP B Package ____
					NJDEP Reduced Deliv ____
					Excel x
					NYSDEC EQuIS ____
					NJDEP SRP HazSite ____
					EQuIS ____
					GIS/KEY (std) ____
					YORK Regulatory Comp Excel compared to:
					OTHER:

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Andrew L. Gasparro
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
Soil Boring #6 - 0-2'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #6 - 5'-7'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #7 - 0-2'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #7 - 5'-7"	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #8 - 0-2'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #8 - 10-12'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars

Comments: Results for Friday 11/23/12

Preservation (check all appliciable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____ 9-45 tu

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
	11/19/12		11-19-12	4.7 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	
		11-19-12 1800		

Email: alg@landmarkconsult.com
Website: http://www.landmarkconsult.com

12K0547

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From: Mandac, Michael [mailto:MandacM@dep.nyc.gov]
Sent: Friday, November 09, 2012 6:34 PM
To: Andrew L Gasparro; Paul McGaha
Cc: Chawla, Shaminder
Subject: RE: OER Project #13EH-N190K - 45 India Street

Andrew – I apologize. I was called to do an emergency site visit in Brooklyn.

As we were discussing earlier, the data gaps need to be filled in. Shaminder, Dan Cole, and I discussed what additional sampling needs to happen. 4 soil borings and 3 soil vapor need to be collected (please see the attached map for the sampling locations and depths). All soil boring samples should be analyzed using the CEQR Technical Manual – Chapter 12 – Hazardous Materials requirements (see below). Please review the map and call OER on Tuesday to discuss.

- Unless contamination is known to be limited to specific compounds, soil and ground water samples should be analyzed for Full List volatile organic compounds (VOCs) with Methyl tert-butyl ether (MTBE) by EPA Method 8260B, semivolatile organic compounds (SVOCs) by EPA Method 8270C, polychlorinated biphenyls (PCBs) by EPA Method 8082, pesticides by EPA method 8081A, and Target Analyte list (TAL) metals by EPA Method 6020 at a NYSDOH-ELAP (Environmental Laboratory Approval Program) certified laboratory. Soil gas, sub-slab soil gas and indoor air samples should be analyzed for VOCs by EPA Method TO-15 at a NYS-DOHELAP-certified laboratory. If ELAP certification is not available, certification by other agencies and/or organizations is recommended. Additional analyses may be warranted if the type of contamination suspected cannot be adequately characterized by these analyses. NYSDOH Category B Deliverables are not required for CEQR. However, specific levels of quality control deliverables may be required for some projects using grant money, for legal defense, or if the analysis must comply with requirements of other agencies.

Michael

From: Andrew L Gasparro [mailto:alg@landmarkconsult.com]
Sent: Friday, November 09, 2012 5:04 PM

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 12K0547

YOUR Information		Report to:	Invoice To:	Your Project ID	Turn-Around Time		Report/Deliverable Type	
Company:	Landmark Consultants, Corp	SAME [x]	SAME [x]	45 India St, Brooklyn	RUSH-Same Day		Summary Report	x
Address:	528 Leaonard St	Name:	Name:	NYC OER #13EH-N190	RUSH-Next Day		QA Report	
	Brooklyn NY 11222	Company:	Company:	Purchase Order #	RUSH-Two Day		CT RCP	
Phone:	718-383-6800	Address:	Address:		RUSH-Three Day	X	CT RCP DQA/DUE Pkg	
Contact:	Mr. Andrew L. Gasparro			12-1804	RUSH-Four Day		NY ASP A Package	
E-mail:	alg@landmarkconsult.com	E-mail:	E-mail	Samples from CT__NY_X_NJ__	Standard (5-7day)		NY ASP B Package	
							NJDEP Reduced Deliv	
							Excel	x
							NYSDEC EQuIS	
							NJDEP SRP HazSite	
							EQuIS	
							GIS/KEY (std)	
							YORK Regulatory Comp Excel compared to:	
							OTHER:	

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Samples Collected/Authorized By (Signature)

Andrew L. Gasparro
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indic.Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
Soil Boring #6 - 0-2'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #6 - 5'-7'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #7 - 0-2'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #7 - 5'-7"	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #8 - 0-2'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
Soil Boring #8 - 10-12'	11/14/2012	S	8260B W/ MTBE, SVOC 8270, PCB 8082, Pest 8081A, TAL Metals 6020	2- 8 oz Jars
			~~Make Due FOR 11/26/?~~	

Comments: Results for Friday 11/23/12 2-day for 11/21 as per Andrew Gasparro 11/20/12

Preservation (check all applicable): 4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____ 945 tu

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	11/19/12 Date/Time	Samples Received By	11-19-12 Date/Time	Temperature on Receipt 4.7°C
Samples Relinquished By	Date/Time	Samples Received in LAB by	11-19-12 1800 Date/Time	